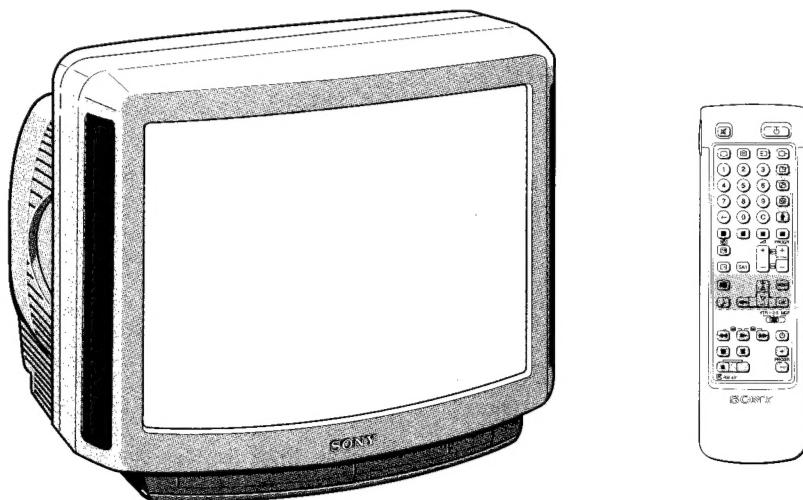


SERVICE MANUAL

AE-3 CHASSIS

| MODEL | COMMANDER | DEST. | CHASSIS NO. | MODEL | COMMANDER | DEST. | CHASSIS NO. |
|----------|-----------|---------|-------------|----------|-----------|---------|-------------|
| KV-29X2A | RM-831 | Italian | SCC-J26F-A | KV-29X2D | RM-831 | AEP | SCC-J23F-A |
| KV-29X2B | RM-831 | French | SCC-J27F-A | KV-29X2E | RM-831 | Spanish | SCC-J28F-A |



TRINITRON® COLOR TV
SONY®

| ITEM MODEL | Television System | Channel Coverage | Colour System |
|------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Italian | B/G/H | B/G/H VHF: E2-E12 UHF: E21-E69 Cable TV (1): S1-S41 Cable TV (2): S01-S05, M1-M10, U1-U10 ITALY VHF: A-H UHF: H1, H2 | SECAM, PAL, PAL + NTSC 3.58 (video input only) NTSC4.43 (video input only) |
| French | B/G/H, D/K, I, L | B/G/H VHF: E2-E12 UHF: E21-E69 Cable TV (1): S1-S41 Cable TV (2): S01-S05, M1-M10, U1-U10 ITALY VHF: A-H UHF: H1, H2 D/K VHF: R01-R12 UHF: R21-R69 I B21-69 L VHF: F2-F10 UHF: F21-F69 Cable TV: B-Q | SECAM, PAL NTSC 3.58 (video input only) NTSC4.43 (video input only) |
| AEP | B/G/H, D/K | B/G/H VHF: E2-E12 UHF: E21-E69 Cable TV (1): S1-S41 Cable TV (2): S01-S05, M1-M10, U1-U10 ITALY VHF: A-H UHF: H1, H2 D/K VHF: R01-R12 UHF: R21-R69 CABLE TV VHF: B-Q UHF: S21-S41 | SECAM, PAL, PAL + NTSC 3.58 (video input only) NTSC4.43 (video input only) |
| Spanish | B/G/H, D/K | B/G/H VHF: E2-E12 UHF: E21-E69 Cable TV (1): S1-S41 Cable TV (2): S01-S05, M1-M10, U1-U10 ITALY VHF: A-H UHF: H1, H2 SECAM D/K VHF: R01-R12 UHF: R21-R60 | SECAM, PAL, PAL + NTSC 3.58 (video input only) NTSC4.43 (video input only) |

| MODEL | 29X2A | 29X2B | 29X2D | 29X2E |
|-------------------|-------|-------|-------|-------|
| Power Consumption | 133W | 142W | 140W | 142W |

SPECIFICATIONS

| | | |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Picture Tube | Super Trinitron Approx. 72 cm (29 inches) (Approx. 68 cm picture measured diagonally) 110° -deflection | [FRONT] - <input type="checkbox"/> 3 , Video input - phono jack - <input type="checkbox"/> 3 , Audio inputs - phono jacks - <input type="checkbox"/> 3 , S video input - 4 pin DIN - <input type="checkbox"/> Headphonejack - stereo minijack |
| Rear/Front Terminals | | Sound output 2x30W (music power) Dimensions 676x557x528 mm approx. Weight Approx. 48.0 kg Supplied accessories Remote Commander RM831 (1) Battery R6 (1) |
| [REAR] | - <input type="checkbox"/> 1 21-pin Euro connector (CENELEC standard) - Inputs for audio / video signals - Inputs for RGB - Outputs of TV audio and video signals | Other features Digital comb filter (High resolution) FASTEXT 100Hz Digital Plus |
| | - <input type="checkbox"/> 2/ - <input type="checkbox"/> 2, 21-pin Euro connector - Inputs for audio and video signals - Inputs for S video - Outputs for TV audio and video signals (selectable) - <input type="checkbox"/> Audio outputs (variable) - phono jacks | |

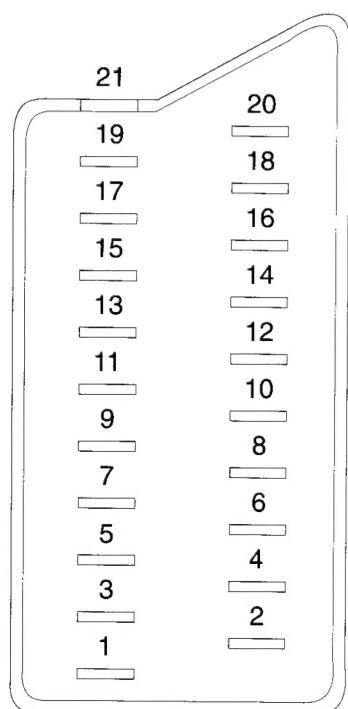
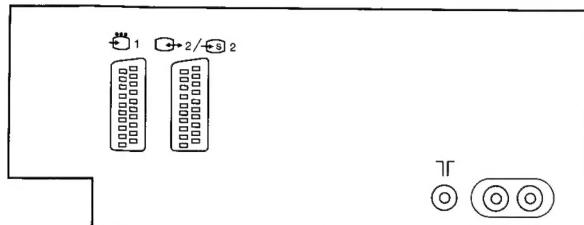
[RM-831]

| | |
|-----------------------|--------------------------------------|
| Remote control system | Infrared control |
| Power requirements | 1.5V dc |
| | 1 battery IEC designation |
| | R6 (size AA) |
| Dimensions | Approx. 65x225x21 mm (w/h/d) |
| Weight | Approx. 157g (Not including battery) |

Design and specifications are subject to change without notice.

| Item \ Model name | KV-29X2A | KV-29X2B | KV-29X2D | KV-29X2E |
|-------------------|----------|----------|----------|----------|
| PIP | OFF | OFF | OFF | OFF |
| MPIP | OFF | OFF | OFF | OFF |
| Rotation Coil | ON | ON | ON | ON |
| VM Set | ON | ON | ON | ON |
| Scart 1 | ON | ON | ON | ON |
| Scart 2 | ON | ON | ON | ON |
| Scart 3 | OFF | OFF | OFF | OFF |
| Front AV | ON | ON | ON | ON |
| AKB in 16:9 mode | OFF | OFF | OFF | OFF |
| TXT | ON | ON | ON | ON |
| FLOF | ON | ON | ON | ON |
| TOP | ON | ON | ON | ON |
| Norm B/G/H | ON | ON | ON | ON |
| Norm I | OFF | ON | OFF | OFF |
| Norm D/K | OFF | ON | ON | ON |
| Norm L | OFF | ON | OFF | OFF |
| Language Preset | Italian | French | German | Spanish |

21 pin connector (1, 2 / 2)



| Pin No. | 1 | 2 | 4 | Signal | Signal Level |
|---------|---|---|---|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | ○ | ○ | ○ | Audio output B (Right) | Standard level : 0.5V rms Output impedance : Less than 1k ohms* |
| 2 | ○ | ○ | ○ | Audio input B (Right) | Standard level : 0.5V rms Output impedance : More than 10k ohms* |
| 3 | ○ | ○ | ○ | Audio output A (Left) | Standard level : 0.5V rms Output impedance : Less than 1k ohm* |
| 4 | ○ | ○ | ○ | Ground (Audio) | |
| 5 | ○ | ○ | ○ | Ground (Blue) | |
| 6 | ○ | ○ | ○ | Audio input A (Left) | Standard level : 0.5V rms Output impedance : Less than 10k ohm* |
| 7 | ○ | ● | ● | Blue input | 0.7 ± 3dB, 75 ohms, positive |
| 8 | ○ | ○ | ○ | Function select (AV control) | High state (9.5 - 12V) : Part mode Low state (0 - 2V) : TV mode Input impedance : More than 10k ohms Input capacitance : Less than 2nF |
| 9 | ○ | ○ | ○ | Ground (Green) | |
| 10 | ○ | ○ | ○ | Open | |
| 11 | ○ | ● | ● | Green | |
| 12 | ○ | ○ | ○ | Open | |
| 13 | ○ | ○ | ○ | Ground (Red) | |
| 14 | ○ | ○ | ○ | Ground (Blanking) | |
| 15 | ○ | — | — | Red input | 0.7 ± 3dB, 75 ohms, positive |
| — | — | ○ | ○ | (S signal) chroma input | 0.7 ± 3dB, 75 ohms, positive |
| 16 | ○ | ● | ● | Blanking input (Ys signal) | High state (1 - 3V) Low state (0 - 0.4V) Input impedance : 75 ohms |
| 17 | ○ | ○ | ○ | Ground (Video output) | |
| 18 | ○ | ○ | ○ | Ground (Video input) | |
| 19 | ○ | ○ | ○ | Video output | 1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB) |
| 20 | ○ | — | — | Video input | 1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB) |
| — | — | ○ | ○ | Video input Y (S signal) | 1V ± 3dB, 75ohms, positive sync : 0.3V (-3 + 10dB) |
| 21 | ○ | ○ | ○ | Common ground (plug, shield) | |

○ Connected ● Not Connected (Open) * at 20Hz - 20kHz

| Pin No. | Signal | Signal Level |
|---------|--------------------|------------------------------------------------|
| 1 | Ground | |
| 2 | Ground | |
| 3 | Y (S signal) input | 1V ± 3dB 75 ohm, positive Sync. 0.3V -3 + 10dB |
| 4 | C (S signal) input | 0.3V ± 3dB 75ohm, positive Sync. |

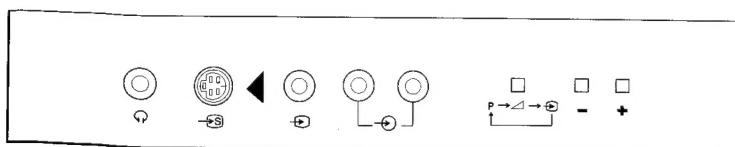


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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

ATTENTION

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.

THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ÊTRE UTILISÉ LORS DE TOUT DÉPANNAGE. LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDE À L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU Fonctionnement. NE LES remplacer que par des composants sony dont le numéro de pièce est indiqué dans le présent manuel ou dans des suppléments publiés par sony.

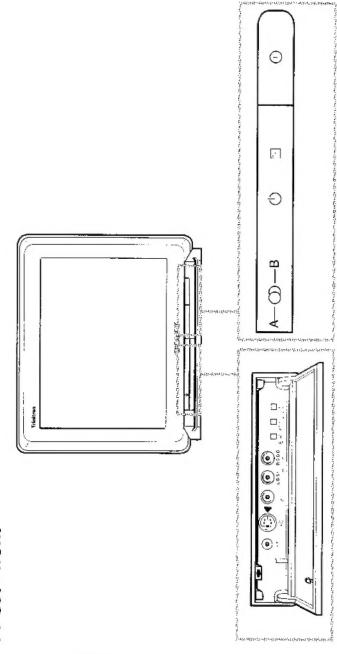
Overview

SECTION 1 GENERAL

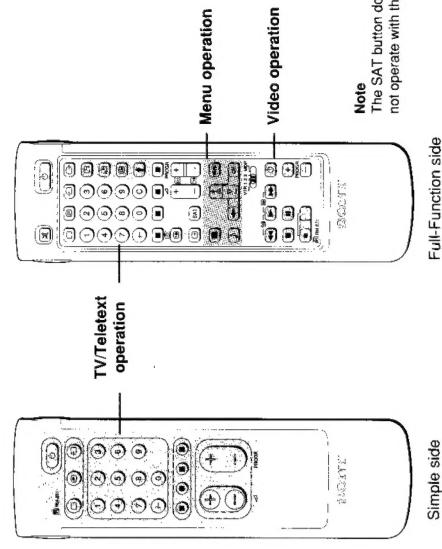
The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

This section briefly describes the buttons and controls on the TV set and on the Remote Commander. For more information, refer to the pages given next to each description.

TV set - front



Remote Commander BM-831



Note The SAT button does not operate with this TV.

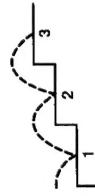
Full-Function side

| Menu operation | | Name | Refer to Page |
|-----------------------|--|------------------------|----------------------|
| Symbol | | | |
| MENU | | Menu on / off button | 33 |
| △+▽- | | Select buttons | 33 |
| OK | | OK (confirming) button | 33 |
| ◀ | | Back button | 33 |

| Video operation | | Symbol | Name | Refer to Page |
|-----------------|-----------------------------------|--------|------|---------------|
| VTR1/2/3 | Video equipment selector | MDP | | 49 |
| ◀ ▶ ▲ ▼ | Video equipment operation buttons | PRO+ | | 49 |

Getting Started

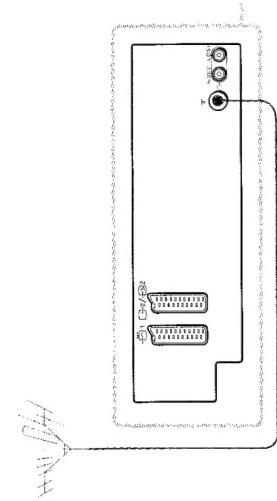
Step 3 Tuning in to TV Stations



Once you have set up the TV, you can choose the language of the menu. Then you should preset the channels (up to 100 channels) by choosing either the automatic or manual method. The automatic method is easier if you want to preset all receivable channels at once. Use the manual method if you only have a few channels and want to preset channels one by one. The manual method is also convenient for allocating programme numbers to various video input sources.

Step 1 – Connection

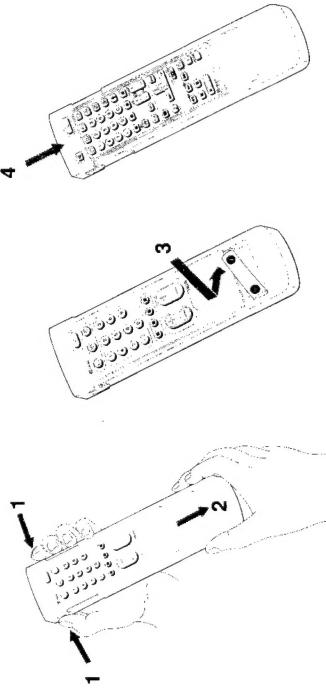
Connect the aerial



Fit an IEC aerial connector attached to 75-ohm coaxial cable (not supplied) to the I/F socket at the rear of the TV. Make sure to use an aerial cable corresponding to the relevant regulations.

Step 2 – Preparation

Insert the batteries into the Remote Commander



Refit the outside cover making sure that the Full-Function side is visible to use the menu in Step 3.

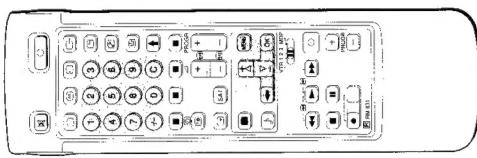
Check the correct polarities.

Remove the cover.

Refit the outside cover making sure that the Full-Function side is visible to use the menu in Step 3.

Before you begin

- Check that the Full-Function side of the Remote Commander is visible.
- Locate Menu operation buttons on the Remote Commander. They are shaded in the illustration at the left.



1 Choose a language

- 1 Depress \odot on the TV. The TV will switch on. If the standby indicator on the TV is lit, press \odot or a number button on the Remote Commander.
- 2 Press the MENU button.
- 3 The LANGUAGE menu appears. (See Fig. 1)
- 4 Select the language you want with $\Delta+$ or $\nabla-$ and press OK.

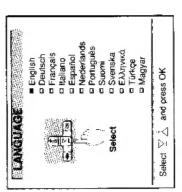


Fig. 1

2 Display the Menu

- 1 Press the MENU button twice. The main menu appears. (See Fig. 2)
- 2 Using $\Delta+$ or $\nabla-$ select the symbol \square and press OK.
- 3 Now, choose one of the methods described overleaf:
»Preset Channels Automatically«

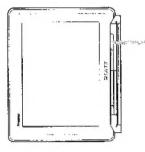


Fig. 2

or
»Preset Channels Manually«.

- To go back to main menu:
Keep pressing \leftarrow .

To go back to the normal TV picture:
Press MENU. Normal TV picture will be restored after one minute if menu functions are not selected.

Note on the Demo function:
If you choose Demo in the Installation menu, you can see a sequential demonstration of the menu functions. Press MENU to stop the function.

③ Preset channels automatically

With this method, you can preset all receivable channels at once.

To stop automatic channel presetting:
Press **◀** on the Remote Commander.

Notes:

- After presetting the channels automatically, you can check which channels are stored on which programme positions. For details, see »Displaying the Programme Table« on page 41.

Programme names are automatically taken from Teletext if available. If not, please refer to page 38 »Captioning a Station name« for more information.

• You can sort the programme names to have them appear on screen in the order you like. For details, see »Sorting Programmes Positions« on page 36.

When presetting is finished, the preset menu reappears. All available channels are now stored on successive number buttons. Press MENU to restore normal TV picture.

1 Select the symbol  for »Preset« with $\Delta+$ or $\nabla-$ and press OK. The PRESET menu appears. (See Fig. 3.)

2 Select »Auto Programme« with $\Delta+$ or $\nabla-$ and press OK. The AUTO PROGRAMME menu appears. (See Fig. 4.)

3 Press OK.

Select if necessary the TV broadcast system (B/G for Western European or D/K for Eastern European countries) with $\Delta+$ or $\nabla-$ and press OK. The first element of the »PROG« number will be highlighted.

4 Select the programme (number button) from which you want to start presetting. Select the first element of the double-digit number with $\Delta+$ or $\nabla-$ or the number buttons (e.g. For »04«, select »0« here) and press OK.

The second element of »PROG« will be highlighted.

5 Select the second element of the double-digit number with $\Delta+$ or $\nabla-$ or the number buttons (e.g. For »04«, select »4« here) (See Fig. 5.) and press OK.

6 Select »C« or »S« with $\Delta+$ or $\nabla-$ and press OK.

The automatic channel presetting starts.

When presetting is finished, the preset menu reappears. All available channels are now stored on successive number buttons. Press MENU to restore normal TV picture.

3 Using $\Delta+$ or $\nabla-$, select the programme position (number button) to which you want to preset a channel, and press OK.

4 Select, if necessary the TV broadcast system or a video input source (EXT) with $\Delta+$ or $\nabla-$.

5 Then press OK. The CH position will be highlighted. (See Fig. 8.)

6 Using $\Delta+$ or $\nabla-$, select C (to preset a regular channel), S (cable channel) or F (to tune in by frequency) and press OK.

If you have selected EXT in step 5, select the video input source with $\Delta+$ or $\nabla-$. (See Fig. 9.)

There are two ways to preset channels. If you know the channel number, go to step »7-Manual«,

or
if you don't know the channel number, go to step »7-Search«.

7 Manual

a Select the first element of the »CH« number with $\Delta+$ or $\nabla-$ or the number buttons and press OK.

The second element of the »CH« number will be highlighted.

b Select the second element of the number with $\Delta+$ or $\nabla-$ or the number buttons.

The selected number appears. (See Fig. 10.)

c Press OK

The »SEARCH« position is highlighted and the selected channel is now stored. (See Fig. 11.)

d Press OK until the cursor appears by the next programme position.

e Repeat steps 3 to 7 to preset other channels.

f Start searching for the channel with $\Delta+$ (up) or $\nabla-$ (down).

The CH position changes colour. The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 12.)

g Press OK if you want to store this channel. If not, press $\Delta+$ or $\nabla-$ to continue channel searching

h Press OK until the cursor appears by the next programme position.

i Repeat steps 3 to 7 to preset other channels.

③ Preset channels manually

1 Select the symbol  for »Preset« with $\Delta+$ or $\nabla-$ and press OK. The PRESET menu appears. (See Fig. 6.)

2 Select »Manual Programme Preset« with $\Delta+$ or $\nabla-$ and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 7.)

Use this method if there are a few channels in your area to preset or if you want to preset channels one by one. You may also allocate programme numbers to various video input sources.

If you have made a mistake:

Press **◀** to go back to the previous position.

To go back to main menu:
Keep pressing **◀**.

To go back to the normal TV picture:
Press MENU.

7 Search

a Press OK repeatedly until the colour of the SEARCH position changes.

b Start searching for the channel with $\Delta+$ (up) or $\nabla-$ (down).

The CH position changes colour. The CH number starts counting up or downwards. When a channel is found, it stops. (See Fig. 13.)

c Press OK if you want to store this channel. If not, press $\Delta+$ or $\nabla-$ to continue channel searching

d Press OK until the cursor appears by the next programme position.

e Repeat steps 3 to 7 to preset other channels.



Fig. 3

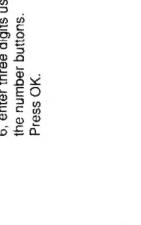


Fig. 4



Fig. 5



Fig. 6

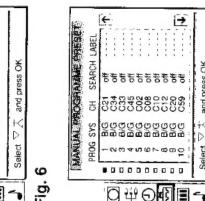


Fig. 7

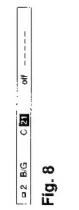


Fig. 8



Fig. 9



Fig. 10

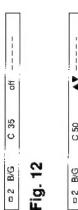


Fig. 11

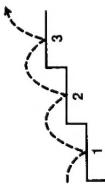


Fig. 12



Fig. 13

Additional Presetting Functions



This section shows you additional presetting functions such as sorting or skipping programme positions, captioning a station name, manual fine-tuning, and using the parental lock.

Before you begin

- Check that the Full Function side of the Remote Commander is visible.
- Locate the Menu operation buttons.

Sorting Programme Positions

With this function, you can sort the programme positions to a preferable order.

- 1 Press MENU to display the main menu.
- 2 Select the symbol for »Preset« with $\Delta+$ or $\nabla-$ and press OK. The PRESET menu appears.
- 3 Select »Programme Sorting« with $\Delta+$ or $\nabla-$ and press OK. The PROGRAMME SORTING menu appears. (See Fig. 14.)
- 4 Using $\Delta+$ or $\nabla-$ select the programme position which you want to move to another and press OK. The colour of the selected position changes. (See Fig. 15.)
- 5 Using $\Delta+$ or $\nabla-$ select the programme position to which you want to move the channel of the programme position selected in step 4 and press OK. Now the programme positions have been sorted. (See Fig. 16.)
- 6 Repeat steps 4 and 5 to sort other programme positions.

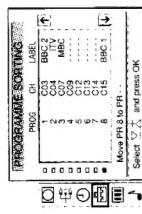


Fig. 14

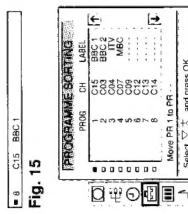


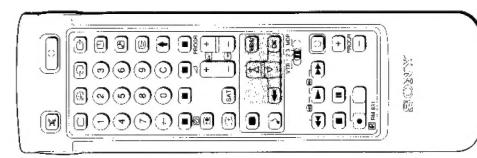
Fig. 15

Fig. 16

PROGRAMME SORTING

With this function, you can sort the programme positions to a preferable order.

- 1 Press MENU to display the main menu.
- 2 Select the symbol for »Preset« with $\Delta+$ or $\nabla-$ and press OK. The PRESET menu appears.
- 3 Select »Programme Sorting« with $\Delta+$ or $\nabla-$ and press OK. The PROGRAMME SORTING menu appears. (See Fig. 14.)
- 4 Using $\Delta+$ or $\nabla-$ select the programme position which you want to move to another and press OK. The colour of the selected position changes. (See Fig. 15.)
- 5 Using $\Delta+$ or $\nabla-$ select the programme position to which you want to move the channel of the programme position selected in step 4 and press OK. Now the programme positions have been sorted. (See Fig. 16.)
- 6 Repeat steps 4 and 5 to sort other programme positions.



How to adjust the Picture

Rotation

If due to the earth magnetism the picture „slants“, you can use the function »Picture Rotation« to readjust the picture.

- 1 Press MENU to display the main menu.
- 2 Select the symbol for »Preset« with $\Delta+$ or $\nabla-$ and press OK. The PRESET menu appears.
- 3 Select »Installation« with $\Delta+$ or $\nabla-$. The INSTALLATION menu appears.
- 4 Select »Picture Rotation« with $\Delta+$ or $\nabla-$ and press OK. The PICTURE ROTATION menu appears. (See Fig. 17.)
- 5 Press OK. Adjust the picture rotation with $\Delta+$ or $\nabla-$ until you have an upright picture. As you press the cursor buttons, the range changes from -4 to +4.
- 6 Press OK to store the adjustment.

INSTALLATION

Using »Further Programme Presets«

Using the menu »Further Programme Preset« you can

- a) individually adjust and store the volume level of each channel (Volume offset).
- b) in case of a strong sound signal (distorted sound), attenuate the sound signal for each programme position.
- c) use the manual fine tuning to obtain a better picture reception, if the picture is distorted. Normally the AFT (automatic fine tuning) is operating.

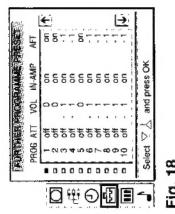


Fig. 18

- 1 Press MENU to display the main menu.
- 2 Select the symbol for »Preset« with $\Delta+$ or $\nabla-$ and press OK. The PRESET menu appears.
- 3 Select »Installation« with $\Delta+$ or $\nabla-$ and press OK. The INSTALLATION menu appears.
- 4 Select »Further Programme Preset« with $\Delta+$ or $\nabla-$ and press OK. The FURTHER PROGRAMME PRESET menu appears (See Fig. 18).
- 5 Using $\Delta+$ or $\nabla-$ select the desired programme position and press OK once to select a) VOL (Volume offset), twice to select b) »IN-AMP« (Input Amplifier) or three times to select c) AFT (Automatic Fine Tuning). The selected item changes colour.
- 6 To adjust or change:

- a) **Volume offset (VOL)**
Using $\Delta+$ or $\nabla-$ you can adjust the volume level for the selected programme position within a range from -7 to +7. Press OK to store the volume level. Repeat step 5 to set the volume level for other programme positions.
- b) **IN-AMP (input amplifier)**
Using $\Delta+$ or $\nabla-$ select »Off« for the selected programme position. Press OK to confirm the selection. Repeat step 5 to switch off the input amplifier for other programme positions.
- c) **AFT**
Using $\Delta+$ or $\nabla-$ you can fine-tune the channel within a range from -15 to +15. Press OK to store the fine-tuned level. Repeat step 5 to fine-tune the other channels.

- 6 Press MENU to return to the normal TV mode.



Fig. 17

- To reactivate AFT (Automatic Fine Tuning)
Repeat from the beginning and select »On« in step 5.

INSTALLATION

For higher programme positions:

The display scrolls automatically.
If you have made a mistake:
Press \leftarrow to go back to previous position.
To go back to main menu:
Keep pressing \leftarrow .
To go back to the normal TV picture:
Press MENU.

PARENTAL LOCK

Parental Lock

You can prevent undesirable broadcasts from appearing on the screen. We suggest you use this function to prevent children from watching programmes which you consider unsuitable.

- 1 Press MENU to display the main menu.
- 2 Select the symbol  for »Preset« with $\Delta+$ or $\nabla-$ and press OK. The PRESET menu appears.
- 3 Using $\Delta+$ or $\nabla-$, select »Preset« with $\Delta+$ or $\nabla-$ and press OK. The PRESET menu appears.
- 4 Using $\Delta+$ or $\nabla-$, select the programme position you want to block and press OK. The symbol  appears in front of the programme number indicating that this programme is now blocked. (See Fig. 26.)
- 5 Repeat step 4 to block other programme positions.
- 6 On the PARENTAL LOCK menu, select the programme position you want to unblock with $\Delta+$ or $\nabla-$.
- 7 Press OK. The symbol  disappears indicating that the blocking has been cancelled.

Skipping Programme Positions

You can skip unused programme positions when selecting programmes with the PROGR +/- buttons. However, the skipped programmes may still be called up when you use the number buttons.

- 1 Press MENU to display the main menu.
- 2 Select the symbol  for »Preset« with $\Delta+$ or $\nabla-$ and press OK. The PRESET menu appears.
- 3 Select »Manual Programme Preset« with $\Delta+$ or $\nabla-$ and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 19.)
- 4 Using $\Delta+$ or $\nabla-$, select the programme position which you want to skip and press OK. The »SYS« symbol appears in the SYSTEM position. (See Fig. 20.)
- 5 Press $\Delta+$ or $\nabla-$ until \cdots appears in the SYSTEM position. (See Fig. 21.)
- 6 Press OK. (See Fig. 21.) When you select programmes using the PROGR +/- buttons, the programme position will be skipped.
- 7 Repeat steps 4 to 6 to skip other programme positions.

MANUAL PROGRAMME PRESET

Captioning a Station Name

Programme names are usually automatically taken from Teletext if available. You can also »name« a channel or an input video source using up to five characters (letters or numbers) to be displayed on the TV screen (e.g. BBC1). Using this function, you can easily identify which channel or video source you are watching.

- 1 Press MENU to display the main menu.
- 2 Select the symbol  for »Preset« with $\Delta+$ or $\nabla-$ and press OK. The PRESET menu appears.
- 3 Select »Manual Programme Preset« with $\Delta+$ or $\nabla-$ and press OK. The MANUAL PROGRAMME PRESET menu appears. (See Fig. 22.)
- 4 Using $\Delta+$ or $\nabla-$, select the programme position you want to caption and press OK repeatedly until the first element of the LABEL position is highlighted.
- 5 Select a letter or number with $\Delta+$ or $\nabla-$ and press OK. The next element will be highlighted. Select other characters in the same way. If you want to leave an element blank, select \cdots and press OK. (See Fig. 23.)
- 6 After selecting all the characters, press OK repeatedly until the cursor appears by the next programme position (at the left margin). Now the caption you chose is stored. (See Fig. 24.)
- 7 Repeat steps 5 and 6 to caption names for other channels.

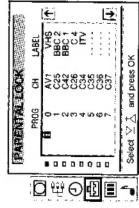


Fig. 25



Fig. 26

Tuning in a Channel Temporarily

You can tune in a channel temporarily, even when it has not been preset. Use the buttons on the Full-Function side of the Remote Commander.

- 1 Press C on the Remote Commander. For cable channels, press C twice.
- 2 Enter the double-digit channel number using the number buttons (e.g. for channel 4, first press 0, then 4). The channel appears. The indication »C« (»S« for cable channels) appears on the screen.

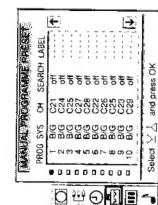


Fig. 22

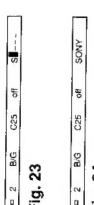


Fig. 23

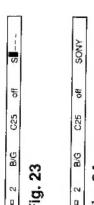
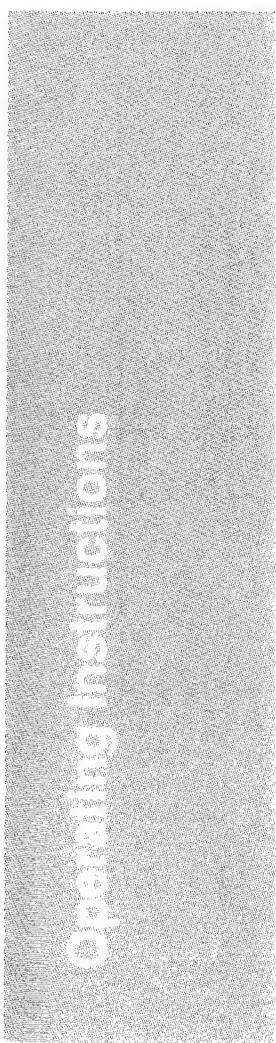


Fig. 24

Watching the TV



Watching Teletext or Video Input

Watching Teletext

For details of the teletext operation, refer to page 45.

- Press \square to view the teletext.
- Press three number buttons to select a page.
- Press one of the coloured buttons for fastkey operation.
- Press \square (PAGE +) or \square (PAGE -) for the next or preceding page.
- To go back to the normal TV picture, press \square .

Watching a video input picture

- Press \square repeatedly until the desired video input appears. To go back to the normal TV picture, press \square .

This section explains the basic functions you use while watching TV. Most of the operations can be done using the simple side of the Remote Commander.

Switching the TV on and off

Switching on

Depress \odot on the TV.

Switching off temporarily

Press \odot on the Remote Commander. The TV enters standby mode and the standby indicator on the front of the TV lights up.

To switch on again

Press \square , PROGR +/-, or one of the number buttons on the Remote Commander.

Switching off completely

Depress \odot on the TV.

Selecting TV Programmes

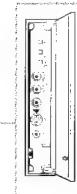
Press PROGR +/- or the number buttons.

To select a double-digit number

Press $-/-$, then the number. For example, if you want to choose 23, press $-/-$, 2 and 3.

Adjusting the Volume

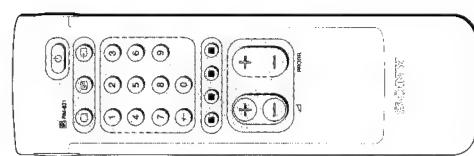
Press \square .



Operating the TV Using the Buttons on the TV

With the buttons on the TV, you can select programmes, adjust the volume, and select video input sources. Press $\square \rightarrow \square \rightarrow \square$ button repeatedly until the programme number, \square (for volume), or \square (for video input picture) appears. Then adjust with the \square buttons.

- Press $\square \rightarrow \square$ buttons to switch on the TV from the standby mode.
- Press $\square \rightarrow \square$ simultaneously to reset picture and sound controls to the factory preset level (RESET function).



More Convenient Functions

Use the Full-Function side of the Remote Commander.

Displaying the on screen indications

- Press \square once to display all the indications. They will disappear after some seconds.
- Press \square twice to have the programme number and label stay on screen. Press twice again to make indications disappear.

Muting the sound.

- Press \square . To resume normal sound, press \square again.

Displaying the time

- Press \square . This function is available only when teletext is broadcast.
- To make the time display disappear, press \square again.

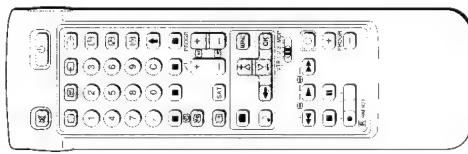
Displaying the Programme Table

- Press OK. A Programme Table will be displayed on the right side of the TV screen (See Fig.27).

Selecting TV programmes

- Press PROGR +/- or select the desired programme position using $\Delta +$ or ∇ and press OK.
- To make the Programme Table disappear, press MENU.

Fig. 27



Adjusting and Setting the TV Using the Menu

Adjusting the Picture and Sound

Although the picture and sound are adjusted at the factory, you can adjust them to suit your own taste. You can also select dual sound (bilingual) programmes when available and adjust the sound for listening with the headphones (□).

- Press □ (for picture) or △ (for sound) on the Remote Commander.
- or

- Press MENU and select on the screen the symbol □ for PICTURE CONTROL or □ for SOUND CONTROL, then press OK. The PICTURE CONTROL or SOUND CONTROL menu appears. (See Fig. 28 or Fig. 29.)
- Using △+ or △-, select the item you want to adjust and press OK. The selected item changes colour. (See Fig. 30)
- Adjust the setting with △+ or △- and press OK.
- The cursor appears beside the next item (at the left margin). (See Fig. 31)
- For the effect of each control, see the table below.
- Repeat steps 2 and 3 to adjust other items.

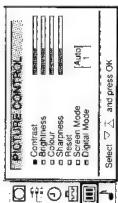


Fig. 28

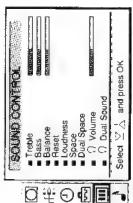


Fig. 29



Fig. 30



Fig. 31

Effect of each control

| PICTURE CONTROL | Effect |
|---------------------|--------------------------------------------------------------------------------------------------------|
| Contrast | Less — More |
| Brightness | Darker — Brighter |
| Colour | Less — More |
| Hue (only for NTSC) | Greenish — Reddish |
| Sharpness | Softer — Sharper |
| Reset | Resets picture to the factory preset levels. |
| Screen Mode | Auto (automatic selection of 16:9 broadcasts decoded in 4:3) → 4:3 Normal → 16:9 Wide screen effect |
| Digital Mode | i: Normal II: LFR (Line Flicker Reduction) off |

| SOUND CONTROL | Effect |
|---------------|---------------------------------------------------------------|
| Treble | Less — More |
| Bass | Less — More |
| Balance | More left — More right |
| Reset | Resets sound to the factory preset levels. |
| Loudness | off : Normal on : When listening to low volume sound |
| Space | off : Normal on : Obtain acoustic sound effect. |
| Dual Sound | A : left channel B : right channel stereo mono |
| Headphones: | The selected mode of the A-D-B indicator on the TV lights up. |
| Volume | Less — More |
| Dual Sound | A : left channel B : right channel STEREO MONO |

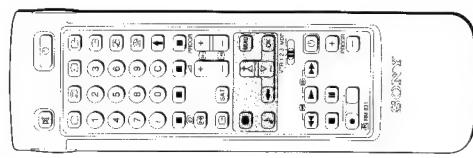
Note on LINE OUT:

The audio level and the dual sound mode output from the C- jack on the rear correspond to the HEADPHONES VOLUME and DIAL SOUND settings.

When watching a video input source with stereo sound:

You can select DIAL SOUND to change the sound.

PICTURE CONTROL SOUND CONTROL



Using the Sleep Timer

You can select a time period after which the TV automatically switches into standby mode.

- Using △+ or △- select the symbol □ for "Timer" and press OK.
- The TIMER menu appears. (see Fig. 32.)

Fig. 32

- The time period option changes colour.
- Press OK.

To go back to the normal TV picture: Press MENU.

- Select □ and press OK.
- The cursor moves back to the left margin and the timer starts counting.

One minute before the TV switches into standby mode, a message is displayed on the screen.

- After selecting the time period, press OK.
- The cursor moves back to the left margin and the timer starts counting.

One minute before the TV switches into standby mode, a message is displayed on the screen.

Operating Screen Mode using the Menu

- Press MENU to display the main menu.
- Select "Screen Mode" with △+ or △- and press OK. The SCREEN MODE menu appears (See Fig. 33).

Fig. 33

- Press OK.
- Using △+ or △- select the desired format (4:3 normal ratio or 16:9 for wide screen effect) and press OK.
- Press OK.

- Using △+ or △- select "Screen Mode" and press OK.

- Press OK.

- Using △+ or △- select the desired format (4:3 normal ratio or 16:9 for wide screen effect) and press OK.

- Press OK.

- Using △+ or △- select the desired format (4:3 normal ratio or 16:9 for wide screen effect) and press OK.

- Press OK.

- Using △+ or △- select the desired format (4:3 normal ratio or 16:9 for wide screen effect) and press OK.

- Press OK.

- Using △+ or △- select the desired format (4:3 normal ratio or 16:9 for wide screen effect) and press OK.

- Press OK.

- Using △+ or △- select the desired format (4:3 normal ratio or 16:9 for wide screen effect) and press OK.

- Press OK.

- Using △+ or △- select the desired format (4:3 normal ratio or 16:9 for wide screen effect) and press OK.

- Press OK.

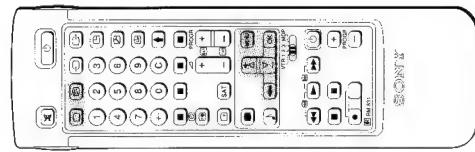
Teletext

TV stations broadcast an information service called Teletext via the TV channels. Teletext allows you to receive various information pages such as weather reports or news at any time you want. For advanced teletext operation, use the buttons on the Full-Function side of the Remote Commander.

Direct Access Functions

Switching Teletext on and off

- 1 Select the TV channel which carries the teletext broadcast you want to watch.
- 2 Press  to switch on teletext.
A teletext page will be displayed (usually the index page). If there is no teletext broadcast, »No text available« is displayed on the information line at the top of the screen.
- To switch teletext off**
Press .



Using the Teletext Menu

This TV is provided with a menu-guided teletext system. When teletext is switched on, you can use the menu buttons to operate the teletext menu. Select the teletext menu functions in the following way:

- 1 Press MENU. The menu will be superimposed on the teletext display. (See Fig. 34)
- 2 Using $\Delta+$ or $\nabla-$, select the teletext function you want and press OK. (See Fig. 35)

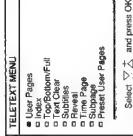


Fig. 34

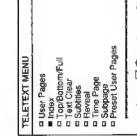


Fig. 35



Fig. 36



Fig. 37

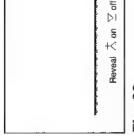


Fig. 38

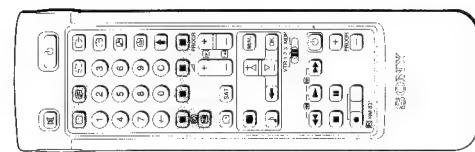
- ### Selecting a teletext page
- With direct page selection**
- Use the number buttons to input the three digits of the chosen page number.
- If you have made a mistake, type in any three digits. Then re-enter the correct page number.
- To switch teletext off**
Press .

- With page catching**
- 1 Select a teletext page with a page overview (e.g. index page).
- 2 Press OK. Using $\Delta+$ or $\nabla-$, select the desired page. »Page Catching« will be displayed on the information line. Press OK. The requested page will appear in a few seconds.
- Press  to resume normal teletext reception.

Accessing the next or preceding page

Press (PAGE +) or (PAGE -).

The next or preceding page appears.



- ### Superimposing the teletext display on the TV programme
- Press  once in teletext mode or twice in TV mode.
- Press  again to resume normal teletext reception.
- ### Preventing a teletext page from being updated
- Press  (HOLD). The HOLD symbol  is displayed on the information line.
- Press  to resume normal teletext reception.

Using Fastext

With Fastext you can access pages with one key stroke. When a Fastext page is broadcast, a colour-coded menu will appear at the bottom of the screen. The colours of this menu correspond to the red, green, yellow and blue buttons on the Remote Commander. Press the corresponding coloured button on the Remote Commander which corresponds to the colour-coded menu. The page will be displayed after some seconds.

- Note:**
Fastext operation is only possible, if the TV station broadcasts Fastext signals.

- To cancel the request:**
Select »OFF« for the TIME PAGE setting. Press  to resume normal teletext mode.

TIME PAGE

Your teletext service will inform you, if a time coded page is available. You may have a page (e.g. an alarm page) displayed at a certain time.

- 1 Press OK. Using $\Delta+$ or $\nabla-$ select ON and press OK.
- 2 To select the desired page, enter the three digits of the page number (e.g. 301) using the number buttons.
- 3 To select the time, enter four digits for the desired time (e.g. 1800) using the number buttons. Press MENU. The selected time is displayed at the top in the left-handed corner. After pressing  to resume normal teletext mode.

Connecting and Operating Optional Equipment

SUBPAGE

You may want to select a particular teletext page from several subpages which are rotated automatically. After having selected the function, an information line will be displayed. To select the desired subpage, enter four digits using PROG+/- or the number buttons. (e.g. enter 0002 for the second page of a sequence).

User Page Bank System

You can store up to 30 pages in the "Teletext page bank system". In this way you have quick access to the pages you watch frequently.

Storing pages

There are 5 "banks" (A to E) for 5 teletext stations. In each bank you can store 6 preferred pages (P1 to P6).

Press $\text{[if Teletext is not on already])}$ and MENU to show the TELETEXT MENU display.

- 1 Press $\text{[if Teletext is not on already])}$ and MENU to show the TELETEXT MENU display.
- 2 Select PRESET USER PAGES with $\Delta+$ or $\nabla-$ and press OK.
- 3 Select the desired bank with $\Delta+$ or $\nabla-$ and press OK. The cursor will go to the first position (P1) of the preferred pages.
- 4 Input the three digits of your first preferred page with the number buttons and press OK.

The cursor will go to the second position. Repeat step 4 for the other 5 page numbers you want to preset. If you do not want to preset all 6 page numbers available, press OK without inserting any number. After having finished the presetting press OK repeatedly until the cursor appears besides the next bank at the left margin.

- 5 Select Allocate Bank with $\Delta+$ or $\nabla-$ and press OK.
- 6 Select the programme position for which you have preset pages with $\Delta+$ or $\nabla-$ and press OK. (See Fig. 39)
- 7 Select the programme position for which you have preset pages with $\Delta+$ or $\nabla-$ and press OK. (See Fig. 39)
- 8 Select the desired bank with $\Delta+$ or $\nabla-$ Banks A to E are available) and press OK.
- 9 Repeat steps 3 to 8 for the other 4 banks available.

- 1 Select MENU.
- 2 Select User Pages with $\Delta+$ or $\nabla-$ and press OK.

A table of the stored preferred pages will be displayed. (See Fig. 40)

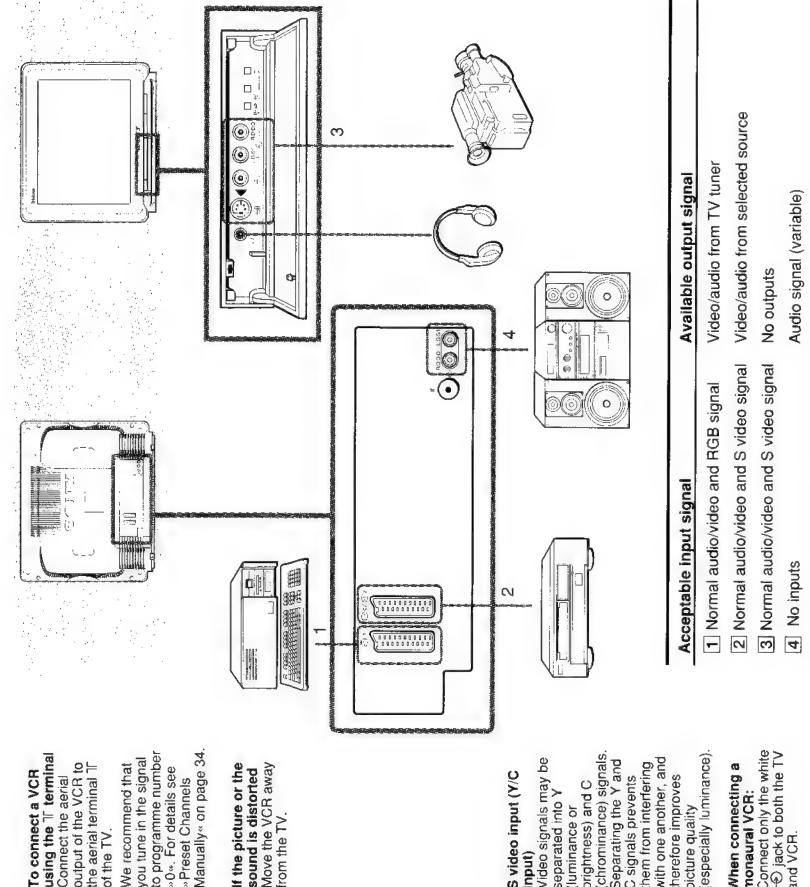
- 3 Select the desired page with $\Delta+$ or $\nabla-$ and press OK. The page will be displayed after some seconds.

or

You can use the coloured buttons on the Remote Commander to have quick access to the first four User pages. Page 1 corresponds to the red button P 2 to the green one, P 3 to the yellow one and P 4 to the blue button. To select the desired page, press the respective coloured button while you are in TV mode. Now the Page number of this teletext page will appear in white at the top in the left-hand corner of the TV screen. When the page number changes colour, the page is available. Press the coloured button again to display the page.

Connecting Optional Equipment

You can connect optional audio-video equipment to this TV such as VCRs, video disc players, and stereo systems.



| PRESET USER PAGES | |
|-------------------------------------|-------------------------------------|
| BANK | P1 P2 P3 P4 P5 P6 |
| A | P1 250 301 550 120 |
| B | P2 200 150 301 550 444 |
| C | P3 100 220 301 550 444 |
| D | P4 200 250 301 550 444 |
| E | P5 100 250 280 118 |
| Allocate Bank: | |
| PROG LABEL BANK: | NBC 1 NBC 2 NBC 3 NBC 4 NBC 5 NBC 6 |
| BBG1 BANK: | BBG1 A BBG1 B BBG1 C |
| BBG2 BANK: | BBG2 A BBG2 B BBG2 C |
| Selected: \downarrow and press OK | |

Fig. 39

| USER PAGES BANK B | |
|-------------------|--|
| ■ PAGE 300 | |
| ■ PAGE 200 | |
| ■ PAGE 100 | |
| ■ PAGE 500 | |
| ■ PAGE 400 | |
| ■ PAGE 600 | |
| ■ PAGE 700 | |
| ■ PAGE 800 | |
| ■ PAGE 900 | |
| ■ PAGE 150 | |
| ■ PAGE 155 | |
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Fig. 40

| Available output signal | |
|-----------------------------------------|----------------------------------|
| 1 Normal audio/video and RGB signal | Video/audio from TV tuner |
| 2 Normal audio/video and S video signal | Video/audio from selected source |
| 3 Normal audio/video and S video signal | No outputs |
| 4 No inputs | Audio signal (variable) |

When connecting a monaural VCR:

Connect only the white and black cables to both the TV and VCR.

- 4 Select the desired source with $\Delta+$ or $\nabla-$ and press OK.
For the respective AV inputs you have the following possibilities:

| | | | |
|------|-----------|------|-----------|
| AV 1 | RGB or AV | AV 3 | YC3 or AV |
| AV 2 | YC2 or AV | | |
- 5 If you want to name the AV input select »Label« using $\Delta+$ or $\nabla-$ and press OK. Select a letter or a number with $\Delta+$ or $\nabla-$ and press OK. The next element will be highlighted. Select other characters in the same way. If you want to leave an element blank, select – and press OK.
After having selected all the characters, press OK repeatedly until the cursor appears by the next AV input at the left margin.
- 6 Repeat steps 3 to 5 for the other AV inputs.

Selecting input with PROG or number buttons:
You can preset video input sources to the programme positions so that you can select them with PROG or number buttons. For details, see »Preset channels manually« on page 34.

Selecting input and output

This section explains how to view the video input picture (of the video source connected to your TV), and how to select the output signal using direct access buttons or the menu system.

Selecting input

Press \odot repeatedly to select the input source.
The symbol of the selected input source will appear.

To go back to the normal TV picture
Press \odot .

Input modes

| Symbol | Input signal |
|-----------|---------------------------------------------------------------------------------------------|
| $\odot 1$ | Audio/video input through the $\odot 1$ connector |
| $\odot 2$ | RGB input through the $\odot 1$ connector |
| $\odot 3$ | Audio/video input through the $\odot 2/\odot 3$ connector |
| $\odot 4$ | S video input through the $\odot 2/\odot 3$ connector |
| $\odot 5$ | Audio/video input through $\odot 3$ and $\odot 3$ connectors (4-pin connector) at the front |
| $\odot 6$ | S video input through the $\odot 3$ connectors (4-pin connector) at the front |

You can also select the input mode using the \uparrow , \downarrow , \leftarrow and \rightarrow buttons on the TV.

In this case, select first \odot and then press the \leftarrow buttons to select the input.

Selecting the output

The $\odot 2/\odot 3$ connector outputs the source input from the other connectors.
You can also select the input mode using the and buttons on the TV. In this case, select first and then press the buttons to select the input.

$\odot 2/\odot 3$ connector outputs

| | |
|------------------------|------------------------------------------------------------------|
| 1 $\odot \rightarrow$ | The audio/video signal from the $\odot 1$ connector |
| 2 $\odot \leftarrow$ | The audio/video signal from the $\odot 2/\odot 3$ connector |
| 2 $\odot \uparrow$ | The audio/video signal from the $\odot 2/\odot 3$ connector |
| 3 $\odot \downarrow$ | The audio/video signal from the $\odot 3$, $\odot 3$ connectors |
| 3 $\odot \uparrow$ | The audio/video signal from the $\odot 3$, $\odot 3$ connectors |
| TV $\odot \rightarrow$ | The audio/video signal from the \odot aerial terminal |

Using AV Preset

Using this function you can preset the desired input source (e.g. $\odot 1$, RGB signal) to the respective AV input ($\odot 1$ – $\odot 6$). In this way a connected VTR will automatically switch to the RGB signal.

- 1 Select the symbol \odot for »Preset« with $\Delta+$ or $\nabla-$ and press OK.
- 2 Select first »Installation«, then »AV Preset« with $\Delta+$ or $\nabla-$ and press OK. The AV PRESET menu appears (See Fig. 41).
- 3 Select the desired AV input with $\Delta-$ or $\nabla-$ and press OK.

When recording
When you use the \bullet (record) button, make sure to press this button and the \odot button to the right of it simultaneously.

Checking and selecting the input and output sources using the menu

You can display the menu to see which input sources are selected for the TV screen and PIP screen, and which output source is selected. You can also select them on the menu display.

- 1 Select the symbol \odot for »Video Connection« with $\Delta+$ or $\nabla-$ and press OK. The VIDEO CONNECTION menu appears. (See Fig. 42)
- 2 You can see which source is selected for the TV and PIP input, and for the output. If you want to select the input and output on this menu, go on to the next step.
- 3 Select TV Screen (input source for the TV screen), PIP/PIP (input source for the PIP screen), or output (output source) with $\Delta+$ or $\nabla-$ and press OK. One of the menu items changes colour.
- 4 Press OK.
- 5 The selected source is confirmed, and the cursor appears.
- 6 Repeat steps 2 to 4 to select the source for other inputs or outputs.

Remote Control of Other Sony Equipment

You can use the TV Remote Commander to control other Sony remote-controlled video equipment. The buttons for video operation have been factory set to control most of Sony video equipment, such as: Beta, 8mm or VHS VCRs or video disc players.

Tuning the Remote Commander to the equipment

- 1 Set the VTR 1/2/3 MDP selector according to the equipment you want to control:

| |
|------------------------|
| VTR 1: Beta VCR |
| VTR 2: 8mm VCR |
| VTR 3: VHS VCR |
| MDP: Video disc player |
- 2 Use the buttons indicated in the illustration to operate the additional equipment.
If your video equipment is furnished with a COMMAND MODE selector, set this selector to the same position as the VTR 1/2/3 MDP selector on the TV Remote Commander.
If the equipment does not have a certain function, the corresponding button on the Remote Commander will not operate.



Fig. 41

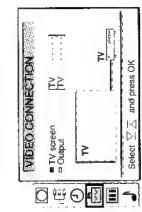
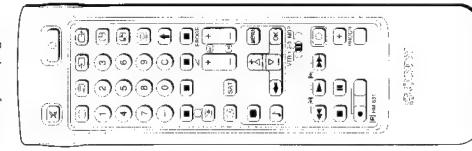


Fig. 42



For Your Information

Troubleshooting

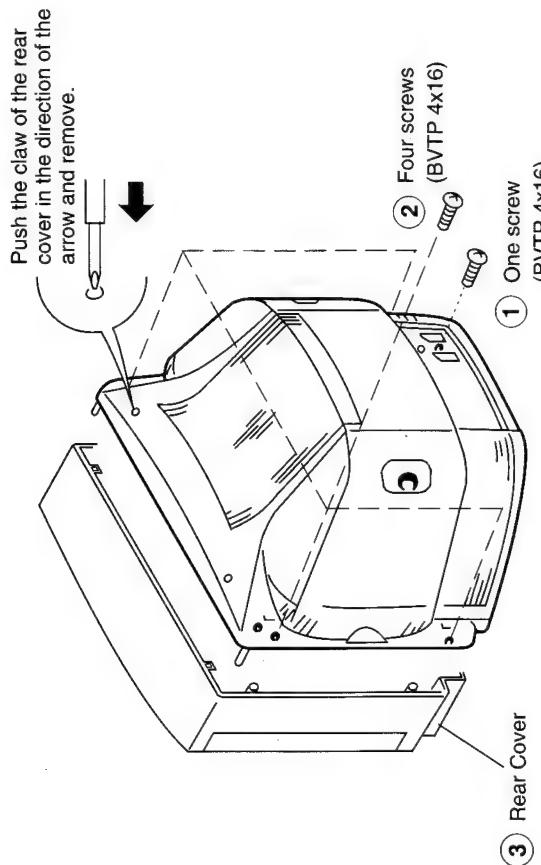
Here are some simple solutions to problems which may affect the picture and sound.

| Problem | Solution |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No picture (screen is dark), no sound | <ul style="list-style-type: none">• Plug the TV in.• Press \odot on the TV. (If \odot indicator is on, press \square or a programme number on the Remote Commander.)• Check the aerial connection.• Check if the selected video source is on. |
| Poor or no picture (screen is dark), but good sound | <ul style="list-style-type: none">• Turn the TV off for 3 or 4 seconds and then turn it on again using \odot.• Press \bullet to enter the PICTURE CONTROL menu and adjust \triangleright Brightness, \gg Contrast and \geq Colour. |
| Poor picture quality when watching an RGB video source | <ul style="list-style-type: none">• Press \odot repeatedly to select \odot. |
| Good picture but poor or no sound | <ul style="list-style-type: none">• Press \triangleleft.• If \triangleleft is displayed on the screen, press \triangleleft.• Check the connections of the loudspeakers. |
| No colour for colour programmes | <ul style="list-style-type: none">• Press \bullet to enter the PICTURE CONTROL menu, select RESET, then press Ok. |
| Remote Commander does not function. | <ul style="list-style-type: none">• Replace batteries. |

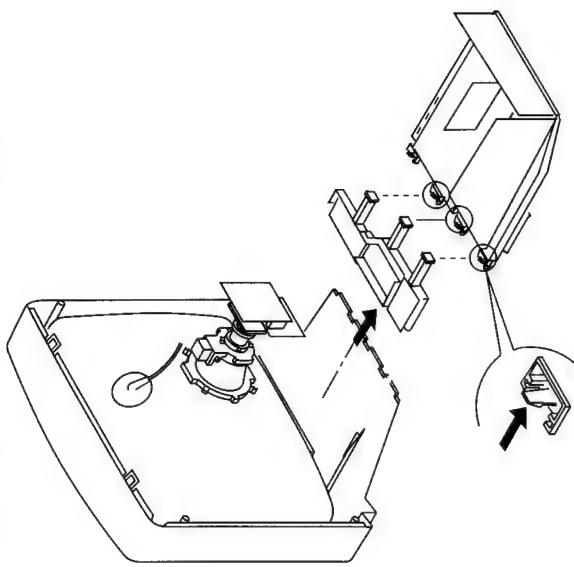
If you continue to have problems, have your TV serviced by qualified personnel. Never open the casing yourself.

SECTION 2 DISASSEMBLY

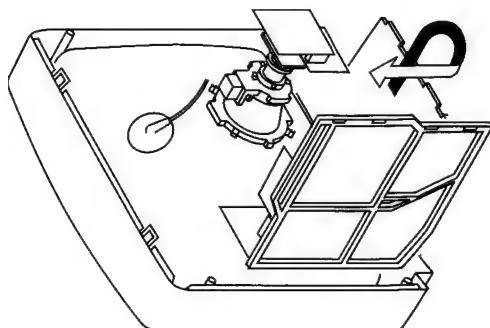
2-1. REAR COVER REMOVAL



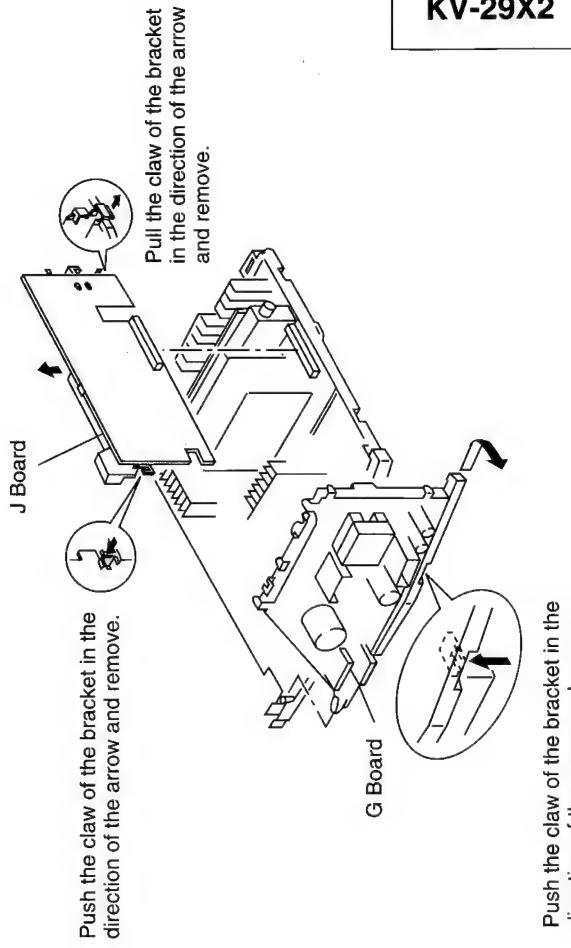
2-2. CHASSIS ASSY AND H BRACKET REMOVAL



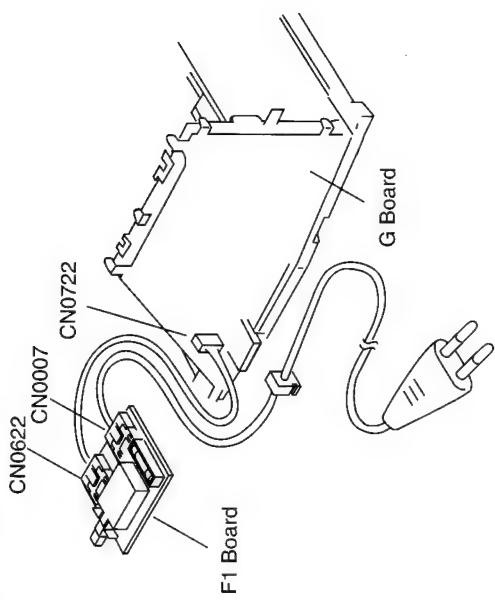
2-3. SERVICE POSITION



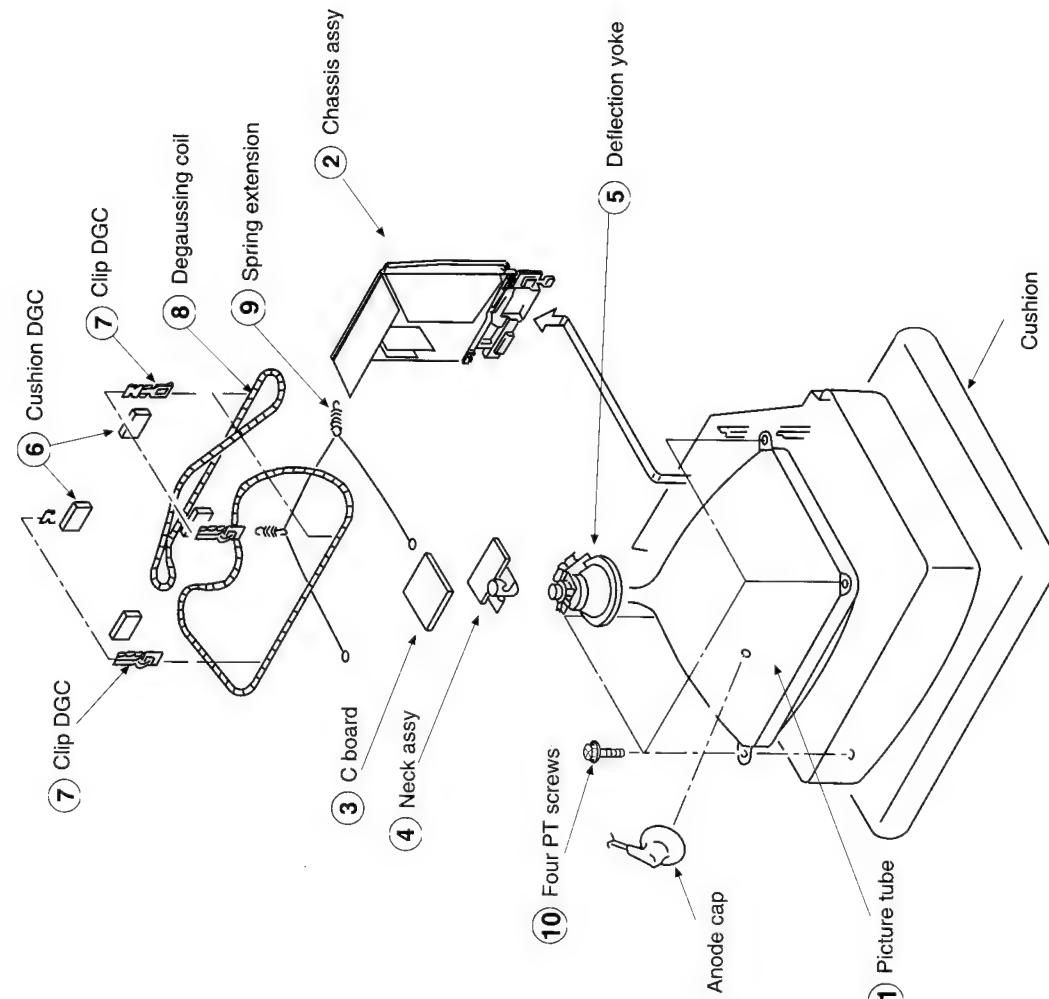
2-4. G AND J BOARD REMOVAL



2-5. WIRE DRESSING



2-6. PICTURE TUBE REMOVAL



• REMOVAL OF ANODE-CAP

Note: Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

• REMOVING PROCEDURES.



- ① Turn up one side of the rubber cap in the direction indicated by the arrow ② Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow ③ When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ④ Anode button

• HOW TO HANDLE AN ANODE-CAP

- ① Don't damage the surface of anode-cap with sharp shaped material !
- ② Don't press the rubber hardly not to hurt inside of anode-caps !
A metal fitting called as shatter-hook terminal is built into the rubber.
- ③ Don't turn the foot of rubber over hardly !
The shatter-hook terminal will stick out or damage the rubber.



SECTION 3

SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustment with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches as follows.

Contrast normal
 Brightness normal

- Carry out the following adjustments in this order:
- 3-1. Beam landing
 - 3-2. Convergence
 - 3-3. Focus
 - 3-4. White balance

Note: Testing equipment required.

1. Colour bar/pattern generator
2. Degausser
3. Vector scope

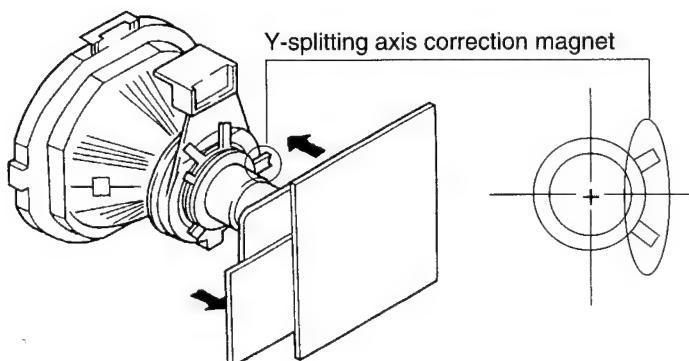
3-1. BEAM LANDING

Preparation:

1. In order to reduce the influence of geomagnetism on the set's picture tube face it in an easterly or westerly direction.
2. Switch on the set's power and degauss with the degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis

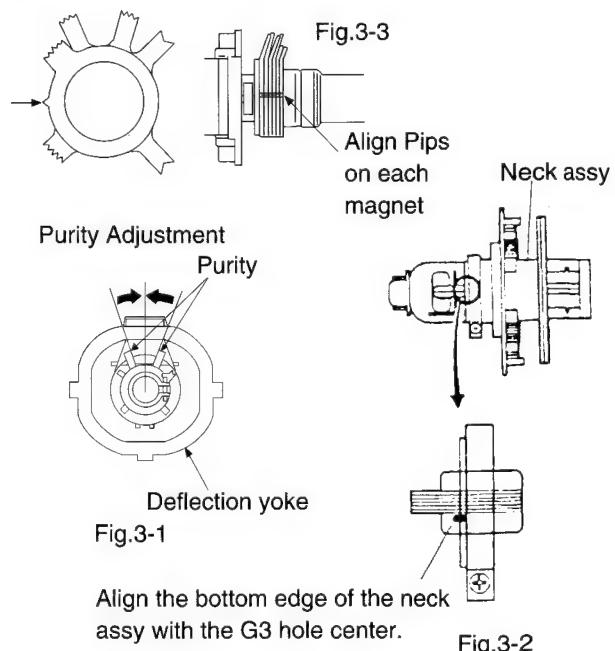
1. Input a crosshatch signal from the pattern generator.
2. Picture control is minimum and brightness control is still normal.
3. Position the neck assy as shown in Fig. 3-2.
4. Move the deflection yoke forward to touch the CRT and it stands up rightly.
5. Adjust the upper pin and the lower pin symmetrically by opening or closing the Y-splitting axis correction magnets on the neck assy.
6. Return the deflection yoke to its original position.



(2) Landing

Note: Before carrying out the following adjustments adjust the magnets as indicated below (See Fig.3-3).

1. Input an all-white signal from the pattern generator. Maximize the picture setting and adjust the brightness setting.
2. Rough-adjust the focus and horizontal convergence.
3. Loosen the deflection yoke screws, align the purity adjustment knob to the central position. (See Fig. 3-1)
4. Switch from the all-white pattern to an all-green pattern.
5. Move the deflection yoke backwards and adjust with the purity magnet so that the green is at the center and it aligns symmetrically. (See Fig. 3-4)
6. Move the deflection yoke forward and adjust so that entire screen becomes green.
7. Switch the raster signal to red, then to blue and verify the landing condition.
8. When the position of the deflection yoke has been determined, fasten the deflection yoke with the screw.
9. If the beam does not land correctly in all the corners, use magnets to correct it. (See Fig. 3-5)



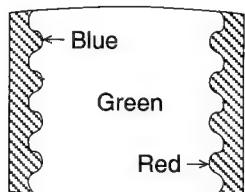


Fig.3-4

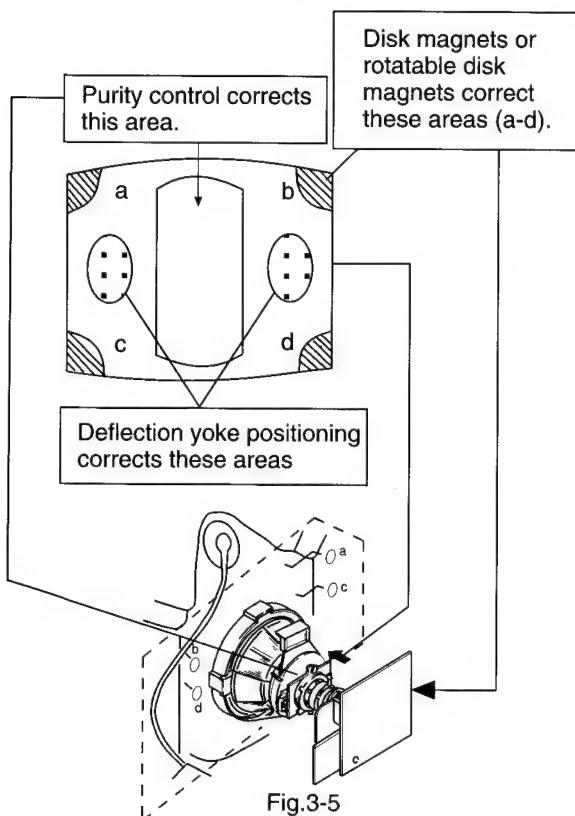
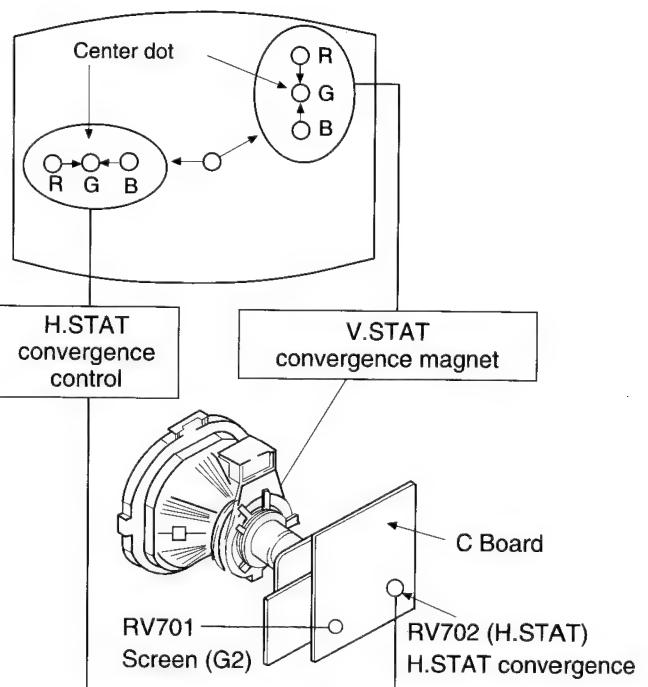
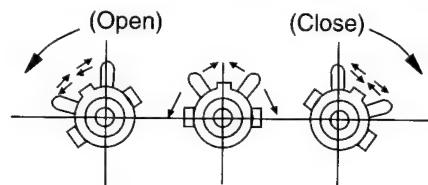


Fig.3-5

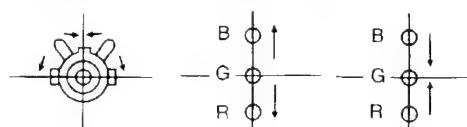


- If the horizontal dots are unable to coincide with the variable range of the H.STAT convergence, adjust together with the V.STAT convergence while tracking. (Adjust the convergence by tilting the V.STAT convergence or by opening or closing the V.STAT convergence.)



- Movement of the red, green and blue dots by tilting the V.STAT magnet and by opening or closing the V.STAT magnet.

- ① By opening or closing the V.STAT magnet, the red, green and blue points move as shown below



- ② By rotating the V. STAT magnet counterclockwise, the red, green and blue dots move as shown below.



3-2. CONVERGENCE

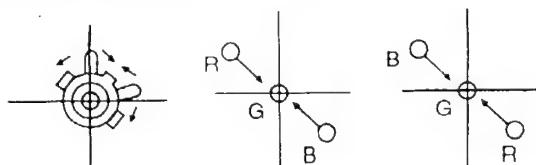
(1) Screen center convergence (Static convergence)

- Input a dot signal from the pattern generator. Normalize the picture setting.
- (Moving horizontally), adjust the H.STAT control so that the horizontal red, green and blue dots coincide at the center of screen.
- (Moving vertically), adjust the V.STAT magnet so that the vertical red, green and blue points coincide at the center of screen.

- ③ By rotating the V.STAT magnet clockwise, the red, green and blue dots move as shown below.



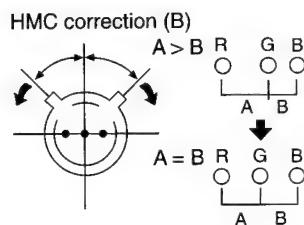
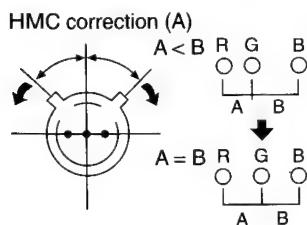
- ④ By opening or closing the V.STAT magnet, the red, green and blue dots move as shown below.



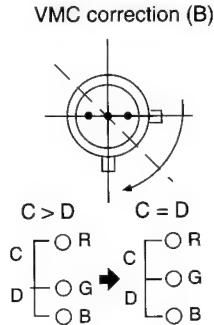
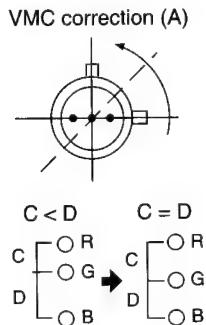
- If the blue dot does not coincide with the red and green points, correct the points by using the BMC (Hexapole) magnet.

- ⑤ Correction for HMC (horizontal mis-convergence) and VMC (vertical mis-convergence) by using the BMC (Hexapole) magnet.

- ① HMC correction by BMC (Hexapole) magnet and movement of the electronic beam.



- ② VMC correction by BMC (Hexapole) magnet and movement of the electronic beam.



Layout of each control

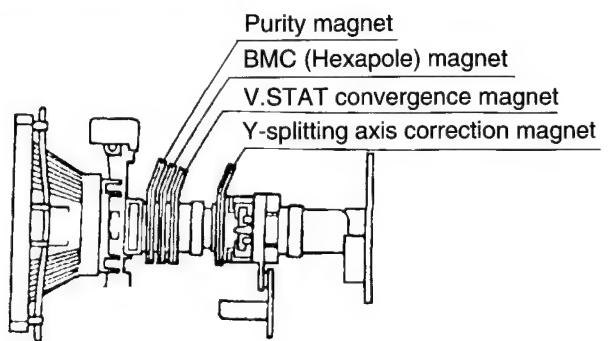
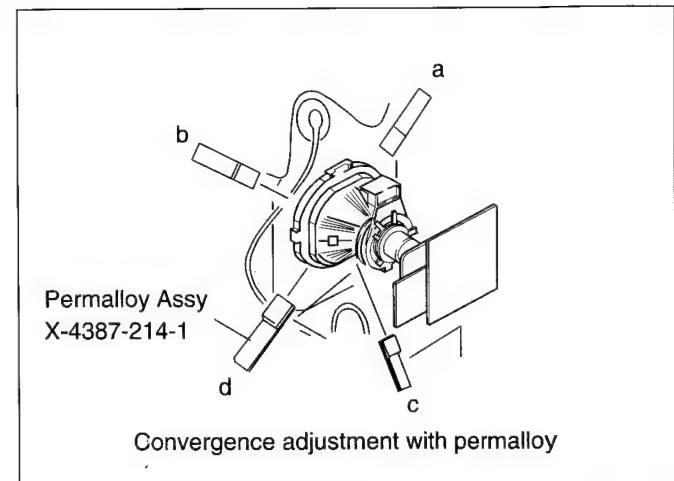
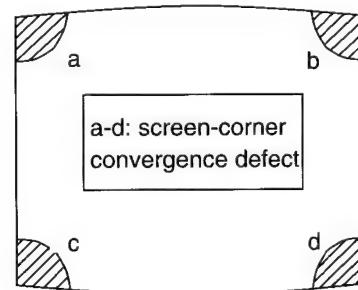


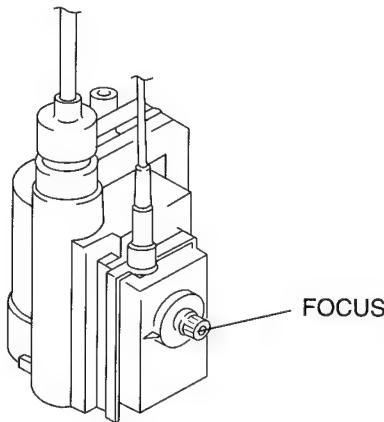
Fig.3-5

- If you are unable to adjust the corner convergence properly, correct them with the use of permalloys.



3-3. Focus

1. Receive a television broadcast signal.
2. Normalize the picture setting.
3. Adjust the focus control on the flyback transformer for the best focus at the center of the screen.
Bring only the center area of the screen into focus, the magenta-ring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



CRT Driver CXA 1840

| Crt Driver | CXA1840 |
|---------------|---------|
| 21 R DRIVE | 41 |
| 22 G DRIVE | adj |
| 23 B DRIVE | adj |
| 24 R CUT-OFF | 10 |
| 25 R C | 0 |
| 26 G CUT-OFF | adj |
| 27 G C | 0 |
| 28 B CUT-OFF | adj |
| 29 B C | 0 |
| 30 AFC MASK | 0 |
| 31 DRIVE LVL | 52 |
| 32 SUB BRT | adj |
| 33 H SWEEP SW | on |
| 34 SKEW D | off |
| 35 OUT DC | 0 |

3-4. Screen (G2), White balance (Adjustment in the service mode with remote commander)

G2 adjustment (RV702)

1. Input a dot signal from the pattern generator.
2. Set the Picture, Brightness and Colour to minimum.
3. Apply 170V DC from an external power supply to the R, G and B cathodes of the CRT.
4. Whilst watching the picture, adjust the G2 control RV701 [SCREEN] on the C board to the point just before the return lines disappear.

White balance adjustment

1. Receive an all-white signal.
2. Enter into the Service Mode by pressing 'TEST', 'TEST' and '01' on the Service Commander.
3. Select 'CRT Driver' from the on screen menu display and press **OK**.
4. The 'CRT Driver CXA1840' menu will appear on screen.

5. Set picture to MAX.
6. Set the 'R DRIVE' to 41.
7. Adjust the 'G DRIVE' and 'B DRIVE' with the **▲** **▼** buttons so that the white balance becomes optimum.
8. Press the **OK** button to write the data for each item.
9. Set picture to MIN.
10. Adjust 'R CUT-OFF', 'G CUT-OFF' and 'B CUT-OFF' with the **▲** **▼** buttons so that the white balance becomes optimum.
11. Press the **OK** button to write the data for each item.

SECTION 4

CIRCUIT ADJUSTMENTS

4-1. ELECTRICAL ADJUSTMENTS

Service adjustment to this model can be performed with the supplied remote commander, RM-831.

HOW TO ENTER INTO SERVICE MODE

- Turn on the main power switch of the set while pressing the + (plus) and - (minus) buttons on the customer front panel.

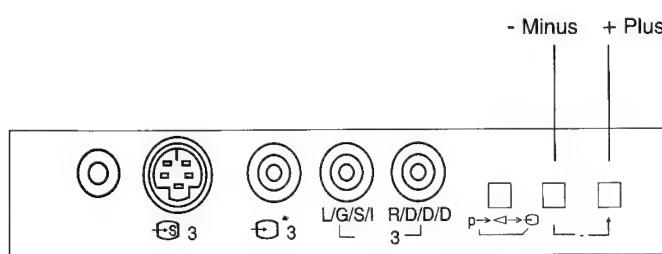


Fig. 4-1

- "TT" will appear on the upper right corner of the screen.

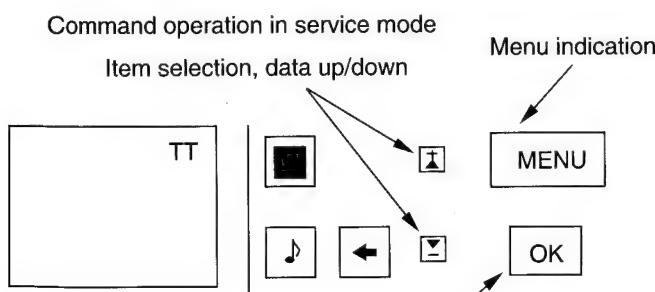


Fig. 4-2

Fig. 4-3 Selection completion,
data written-in

- Press "Test" "Test" and 01 on the commander to get the menu on screen.

| AE -- V7-62 | AE-3 | 08/06/95 |
|----------------|------|----------|
| Init TV | | |
| PIP Adjust | | |
| Adjustments | | |
| Video Contr | | |
| CRT Driver | | |
| Dynamic Conv | | |
| Video Proc | | |
| PIP | | |
| PIP Dynamic | | |
| Aspect / Field | | |
| SRC | | |
| TDA6812 | | |
| PALPLUS | | |
| TDA9160 | | |
| TDA9145 | | |

- Press the and buttons on the remote commander to select the adjustment item.
- Press the button to proceed to the next menu.
- If the adjustment item is 'CRT Driver', press the button to move to 'CRT Driver'.
- The Menu as indicated in Fig 4-4 will appear on the screen.

| CRT Driver | | CXA1840 |
|------------|-------------|---------|
| 1 | V POS | adj |
| 2 | V SIZE | adj |
| 3 | V LIN BAL | adj |
| 4 | V LIN | adj |
| 5 | V SCROLL | 127 |
| 6 | V ASP PAP | 2 |
| 7 | H POS | adj |
| 8 | H SIZE | adj |
| 9 | H PIN CUSH | adj |
| 10 | H TILT | adj |
| 11 | H UP COR | adj |
| 12 | H LOW COR | adj |
| 13 | AFC V BOW | adj |
| 14 | AFC V ANGLE | adj |
| 15 | V COMP | 5 |

Fig. 4-4

- Press the button to move > to the adjustment item and press the button.
- Press the and buttons to change the data in order to comply with each standard.
- Press the button to write data into memory.
- Turn off the power to quit the service mode when adjustments have been completed.

CXA1839 (VIDEO CONT)

| Item No | Adjustment item | Data Amount |
|---------|-----------------|-------------|
| 1 | SUB BRT | 8 |
| 2 | SUB COL1 | 8 |
| 3 | SUB CONT1 | 8 |
| 4 | PIC | 53 |
| 5 | HUE | 31 |
| 6 | COL | 31 |
| 7 | BRT | 31 |
| 8 | SHP | 31 |
| 9 | SUB HUE | 7 |
| 10 | D.COIL | off |
| 11 | SHP LIM | off |
| 12 | AGE WHT | off |
| 13 | R-Y/R | 13 |
| 14 | R-Y/B | 15 |
| 15 | G-Y/R | 7 |
| 16 | G-Y/B | 5 |
| 17 | RGB LEV2 | 8 |
| 18 | SUB SHP | 1 |
| 19 | SUB FO | 2 |
| 20 | PRE/OVER | 0 |
| 21 | NR LEVEL | 1 |
| 22 | DC TRAN | 0 |
| 23 | DYN PIC | 1 |
| 24 | CEC LEVEL | 2 |
| 25 | VM LEVEL | 2 |
| 26 | ABL MODE | 1 |
| 27 | DYN ABL | off |
| 28 | Y SYM SW | off |
| 29 | AGE BLK | off |

CXD2030 (VIDEO PROCESSOR)

| Item No | Adjustment item | Data Amount |
|---------|-----------------|-------------|
| 1 | DNR | on |
| 2 | DNR VALUE | 5 |
| 3 | TA SYN CLP | 16 |
| 4 | TB BGP | 50 |
| 5 | TD CLP | 25 |
| 6 | FOTO CD SW | off |
| 7 | BLK PORCH | 16 |
| 8 | NT TD BGP | 25 |
| 9 | PAL TD BGP | 25 |
| 10 | N.SECAM TB | 50 |
| 11 | SECAM TB | 50 |
| 12 | 358 NR LVL | 3 |
| 13 | 443 NR LVL | 5 |

CXD2033D (PIP DYNAMIC)

| Item No | Adjustment item | Data Amount |
|---------|-----------------|-------------|
| 1 | 443DSP BGP | 19 |
| 2 | 358DSP BGP | 38 |
| 3 | SE DSP BGP | 19 |
| 4 | 443 LRD H | 39 |
| 5 | 358 LRD H | 41 |
| 6 | 443MN MPWH | 213 |
| 7 | 358MN MPWH | 174 |
| 8 | 443 ACC R. | 52 |
| 9 | 358 ACC R. | 42 |
| 10 | 443MN R RD | 39 |
| 11 | 358MN R RD | 27 |
| 12 | FRAME PIP | 10 |
| 13 | FRAME MPX | 3 |

CXD2035 (ASPECT)

| Item No | Adjustment item | Data Amount |
|---------|-----------------|-------------|
| 1 | COMPRESS | 7 |
| 2 | FRAME WID | 5 |

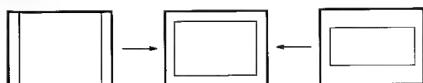
Typical Value (OSD based) when receiving PAL Philips pattern.

DEFLECTION SYSTEM ADJUSTMENT

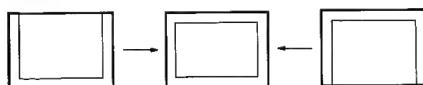
1. Enter into the service mode and select 'CRT Driver'. The 'CRT Driver CXA1840' adjustment menu will be displayed.
2. Select and adjust each item in order to get an optimum image.

| Item No | Adjustment item | Data Amount |
|---------|-----------------|-------------|
| 1 | V POS | adj |
| 2 | V SIZE | adj |
| 3 | V LIN BAL | adj |
| 4 | V LIN | adj |
| 5 | V SCROLL | 127 |
| 6 | V ASP PAP | 2 |
| 7 | H POS | adj |
| 8 | H SIZE | adj |
| 9 | H PIN CUSH | adj |
| 10 | H TILT | adj |
| 11 | H UP COR | adj |
| 12 | H LOWER COR | adj |
| 13 | AFC V BOW | adj |
| 14 | AFC V ANGLE | adj |
| 15 | V COMP | 5 |
| 16 | H COMP | 0 |
| 17 | WV CENT RF | 144 |
| 18 | WV AREA RF | 36 |
| 19 | WCENT VCR | 160 |
| 20 | W AREA VCR | 20 |

V SIZE



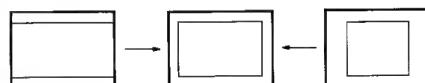
V POS



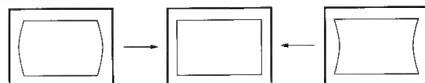
V LIN



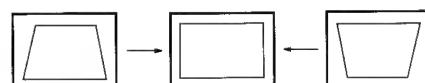
H SIZE



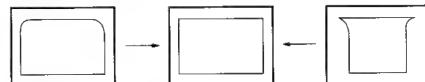
H PIN CUSH



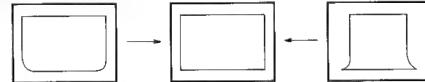
H TILT



H UP COR



H LOWER COR



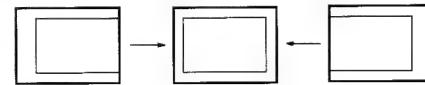
AFC V BOW



AFC V ANGLE



H POS



3. Press **OK** button to write the data.

If the menu display prevents viewing the screen while carrying out the adjustments, it can be removed by pressing **OK** on the remote commander. Pressing **OK** once again will restore the menu on screen.

4-2. VOLUME ELECTRICAL ADJUSTMENTS

AGC Adjustment (IF Block)



- IF Block top side -

Fig. 4-5

1. Receive an off-air signal.
2. Adjust the AGC VR so that there is no snow noise and cross-modulation visible on the screen.
3. Change the receiving channel and confirm status.

Sub Brightness Adjustment

1. Input a Phillips pattern.
2. Select 'RESET' from the menu to normalize the set.
3. Set the CONTRAST to minimum.
4. Press "Test" "Test" and 01 on the remote commander.
5. Adjust the BRIGHTNESS with the +/- buttons on the remote commander after selection of 'Sub Bright' so that the 0 IRE section of the gray scale is completely cut off and the 20 IRE section is only just visible on the screen.
6. Press 'MENU' and '0' twice to release Test mode 2.
7. Select 'RESET' from the menu to normalize the set.

Picture Rotation Adjustment

1. Input a PAL color bar signal.
2. Press the **MENU** button on the commander to get the menu on screen.
3. Press the **▲** and **▼** buttons of the commander and move > to PRESET/TIMER followed by INSTALLATION and PICTURE ROTATION.

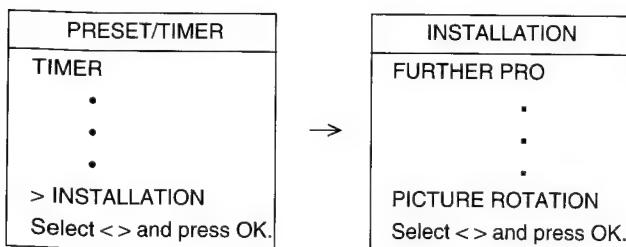


Fig. 4-6

4-3. TEST MODE 2:

Is available by pressing the Test button twice, OSD "TT" appears. The functions described below are available by pressing the two numbers. To release Test Mode 2, press 0, 10, 20 ... twice or switch the TV into Standby Mode. Pressing the two Local Control buttons (+ and -) during Power ON will also switch into "TT" mode.

In TT mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the menu to reappear. The Function is kept even when the menu is not displayed!!

| | | | |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 00 | Switch back to normal mode - TT mode off | 16 | Save actual Last Power Memory data at Reset Data location)The previous Reset data is overwritten) |
| 01 | Switch service menu on | 15/16 | With these two functions, it is possible to preset user defined Reset values (just TT16) or to preset factory defined Reset values (first TT15 then TT16) |
| 02 | Direct access to Noise reduction | 17 | This function presets the Labels for the AV sources: AV1, RGB, AV2, YC2, AV3, YC3, AV4, YC4. |
| 03 | Set Volume to 30% | 18 | Text possible On/Off selection of Text (toggle function) |
| 04 | Service Menu in "Service Mode" | 19 | Direct access to Stereo Separation With cursor Up/Down the Stereo separation can be adjusted (w/o OSD, Menu display) |
| 05 | Service Menu in "Production Mode" | 20 | see TT10 |
| 06 | Set Volume to 80% | 21 | Picture Rotation automatic function : (-4) -> (+4) -> 0 |
| 07 | Aging mode | 22 | Operating Timer and Error Monitor display |
| 08 | Shipping condition (Production request) To ensure that all TV sets leave the Production with the same presettings. Programme 1 is selected, AV IN is set to AV1, AV Out is set to TV Out, Volume and HP Volume is set to 35%, Resolution is set to high, Format is set to 4:3, Pip is set to Top Left position, Pip is switched off, TT mode is switched off, all analogue values are set to the reset setting, space Sound - Equalizer - Loudness = off, DNR off, Dig. Mode = 1, Wide Zoom Mode for 28W models, Menu Language Reset, Prog. Pointer table reset Non Interlace is allowed in Text mode. | 23 | Direct access to Sub Brightness Adjustment With cursor Up/Down the Sub BRT can be adjusted (w/o OSD, Menu display) |
| 09 | Language reset. With this function the "Language Byte" in the NVM (Bank 0AAH Address 0DCH) is erased (set to 0FFH). The Language Menu appears now automatically when the TV set is switched ON as long as no new language is selected. | 24 | Direct access to Sub Color. With Cursor Up/Down the Sub Color can be adjusted. |
| 10 | The TT number will be deleted. All numbers with 0 (10, 20, 30, 40, 50, 60, 70, 80, 90) will reset the TT number. A new number can be selected. TT display is kept | 25 | Status menu display (SubController, CXA1840 Status, Main Controller. |
| 11 | Direct access to Balance. With Cursor Up/Down the Balance can be controlled (w/o OSD, Menu display) | 26 | Text Character selection (Char set 06 ->West Europe) |
| 12 | Direct access to Hue. With Cursor Up/Down the Hue can be controlled (w/o OSD, Menu display) | 27 | Text Character selection (Char set 38 ->East Europe) |
| 13 | Display of Software Version and TV set configuration | 28 | Text Character selection (Char set 40 ->West Europe) US English |
| 14 | Production Info Display | 29 | Text Character selection (Char set 55 ->West Europe) Turkish |
| 15 | Read factory setting from ROM (Program code) and store this data at Last Power Memory data location (The previous last power memory data is overwritten) AE3 has 3 packages of Analogue data: 1. Last Power memory data. This data is sent continuously to the corresponding IC's (TDA1839, SC, TDA6812) with this data the TV picture/sound appears. 2. Reset data. By pressing "Reset" in the menu this data is transferred from Reset Data location to the Last Power data location in the NVM. That means the Last Power Memory Data is overwritten by the Reset data last Power memory and Reset data is now the same. 3. Factory fixed data. Fixed data is held in the ROM code of the micro processor (ROM can't be changed) | 30 | see TT10 |
| | | 31 | Text Character selection Char set Russian |
| | | 32 | Text Character selection Char set Greek |
| | | 33 | Programme catching test (Programme catching can be released by "Menu command") |
| | | 34 | Multi PIP adjustment. Direct access to 3.58 horizontal write position. With Cursor Up/Down the 3.58 H write Pos can be adjusted (w/o OSD, Menu display). |
| | | 35 | Multi PIP adjustment. Direct access to 4.43 horizontal write position. With Cursor Up/Down the 4.43 H write Pos can be adjusted (w/o OSD, Menu display). |
| | | 36 | Mtx Register 112 = intern display clock |
| | | 37 | Mtx Register 112 = extern display clock |

| | | | |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------|
| 38 | Automatic selection of Screen Modes: (not for S (4:3)) Models. 4:3 -> Zoom -> Zoom up -> Zoom Center -> Zoom down -> Zoom Center -> smart -> (if Pal+ signal) PALPLUS -> wide. | 61 | Set Dolby default values. |
| 39 | Reset Programme Table (NVM Bank 0ACH) The sorting of programmes in "Programme Sorting Menu" is reset. | 62 | ACI disable. |
| 40 | see TT10 | 63 | ACI enable. |
| 41 | no function | 64 | Reset all IIC Slave commands (Production use) |
| 42 | no function | 65 | Reset stored error codes in NVM. |
| 43 | no function | 66 | Reset for PALplus local controller and Sub Controller. |
| 44 | no function | 67 | Direct access to Headphone Volume. With cursor Up/Down the Headphone Volume can be controlled (w/o OSD, menu display) (Production use) |
| 45 | Set NVM to Protect mode (Bank 0AEH Adr. 0FFH write with 0) | 68 | ignore errors. |
| 46 | IR Channel Presetting Mode. The channel presetting can be done by a Special IR transmitter Sequence: TT46 -> -- PR Number select dispaly appears Select Prog. No from where the channel shall be stored. --> Now TV is waiting for IR sequence <-- --> If no IR transmission starts TT46 is released after 20 secs <-- !Note: When TT46 is active, any transmission will be interpreted as PROG data ! | 69 | reset ignore errors (show errors) |
| 47 | Direct access to Headphone Source Selection (Production use) | 70 | see TT10 |
| 48 | Direct access to AGC Adjustment (PWM) output. | 71 | Picture Rotation Function On/Off toggle. |
| 49 | The EEPROM Testbyte is erased. After Power OFF -> ON the complete EEPROM data (exept channel tables) is overwritten. EEPROM Protection byte is set to 0 protection mode | 72 | Dolby register setting menu. |
| 50 | see TT10 | 73 | Megatext RGB textlevel one step decreased (max 3 steps down starting from E0h) (Production use) |
| 51 | Strobo mode is activated. | 74 | Megatext RGB textlevel one step decreased (max 1 steps down starting from E0h) (Production use) |
| 52 | no function. | 75 | reserved |
| 53 | Photo mode test (Photo mode can be released by "Menu command"). | 76 | CXD 2030 Default data setting. |
| 54 | Direct access to Velocity Modulation VM (Production use) | 77 | CXD 2031 Default data setting |
| 55 | MTX Slicer Control "Low Pass" (only Sys L) | 78 | CXD 2032 Default data setting |
| 56 | MTX Slicer Control "No Compensation" | 79 | CXD 2033 Default data setting |
| 57 | Megatext Service Menu ON | 80 | see TT10 |
| 58 | MTX Small Framing Code Window | 81 | CXD 2033D Default data setting |
| 59 | MTX Wide Framing Code Window | 82 | CXD 2035 Default data setting |
| 60 | see TT10 | 83 | CXA 1526 Default data setting |
| | | 84 | CXA 1839 Default data setting |
| | | 85 | CXA 1840 Default data setting |
| | | 86 | TDA 9145 Default data setting |
| | | 87 | TDA 9160 Default data setting |
| | | 88 | no function |
| | | 89 | no function |
| | | 90 | see TT10 |

4-4. ERROR MONITOR AND DETECTION

In the menu 'Error Monitor', information about the error status of the set is displayed.

- Actual operating time
- Last five errors which are stored in the NVM.
- Actual error.

| Error Monitor | |
|---------------------------------------|----------------|
| Operating Time | 000355 h 35min |
| Saved Errors | |
| 1.. 40h=D1 Board | |
| 2.. 60h=Q Board | |
| 3.. 70h=T Board | |
| 4.. 00h=no error occurred | |
| 5.. 00h=no error occurred | |
| Actual Error | |
| -> 00h=no error occurred | |
| To reset the NVM press 'TT' 65 | |

Additionally the Error Reader can be connected to the service connector to read out the actual errors.

The device check itself is active while the TV set is running out of stand-by mode. The devices are checked by sending an I²C start sequence and if there is no acknowledgement back from the devices it is regarded as an error. Each device is checked three times and if at every attempt there is no reply from the relevant device an error is given. To read the error codes press 'TT' followed by 22 on the commander to view the Error Monitor menu.

To reset the error codes in the NVM press 'TT' followed by 65 on the remote commander.

TABLE OF ERROR CODES

| Error Code | Device | Description | Board |
|-------------------|--------------------|---------------------------------|--------------|
| 000h | no device | no error has occurred | - |
| 001h | IIC 1 and IIC 2 | IIC 1 and IIC 2 blockaded | - |
| 002h | IIC 1 | IIC 1 is blockaded | - |
| 003h | IIC 2 | IIC 2 is blockaded | - |
| 010h | A Board | A Board is defective | - |
| 020h | A1 Board | A1 Board is defective | - |
| 030h | BX-Board (B,B1,B2) | B, B1, or B2 Board is defective | - |
| 040h | D1 Board | D1 Board defect | - |
| 050h | J Board | J Board defect | - |

| Error Code | Device | Description | Board |
|-------------------|----------------|----------------------------------------------------------------------------------------------------|--------------|
| 060h | Q Board | Q Board defect | - |
| 070h | T Board | T Board defect | - |
| 011h | CXP85332 | No response from the Subcontroller | A |
| 012h | ST24C16 | No response from the NVM | A |
| 013h | SDA5273 | No response from the Megatext IC | A |
| 014h | TDA6812 | No response from the Sound Processor | A |
| 015h | SAA7283 | No response from the Nicam Decoder | A |
| 016h | UV916H | No response from the Main Tuner | A |
| 017h | CXA1839Q | No response from the Video Controller | A |
| 018h | CXA1840 | No response from the CRT Driver | A |
| 019h | RGB8443 | No response from RGB/YUV | A |
| 021h | TDA6622 | Audio processor of the Center and Surround channel in the case of Dolby Prologic does not respond. | A1 |
| 022h | TDA7317 | No response from the Equalizer. | A1 |
| 031h | CXD2030R | No response from the Digital Video Processor. | B/B1 |
| 032h | CXD2031R | No response from the Twin Picture IC. | B1 |
| 033h | CXD2032R | No response from the Digital Sampling Rate Converter. | B/B1 |
| 034h | CXD2033R | No response from the Picture in Picture IC. | B |
| 035h | CXD2035R | No response from the Aspect Converter. | B/B1 |
| 036h | TDA9160 | No response from the Chroma Decoder. | B/B1 |
| 037h | TDA9145 | No response from the Chroma Decoder (on French models only.) | B2 |
| 041h | CXA1526 | No response from the Convergence IC. | D1 |
| 051h | CXA1855 | No response from the AV-Switch | J |
| 061h | 83C65202 | No response from the Local Controller. | Q |
| 071h | UV1316/TSA5526 | No response from the Subtuner. | T |
| 072h | CXA1875 | No response from the Port Expander. | T |

4-5. LED Error Blinking

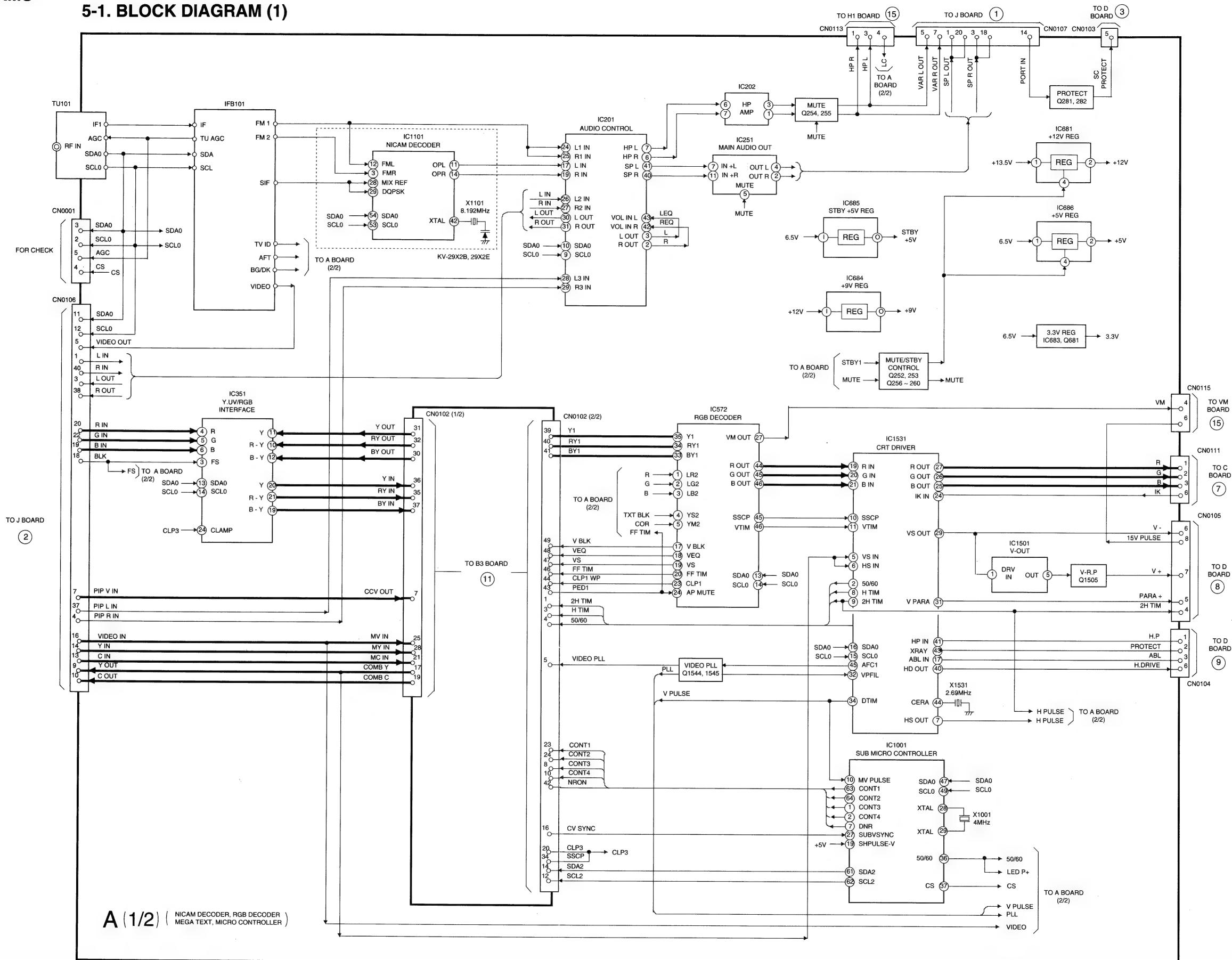
In addition to the Error Monitor facility there is an additional error indicator which indicates the most important errors also in the case of IIC error and Megatext error in opposition to the error monitor.

The error is recorded by counting the number of times that LED B blinks. This facility also works while in stand-by mode.

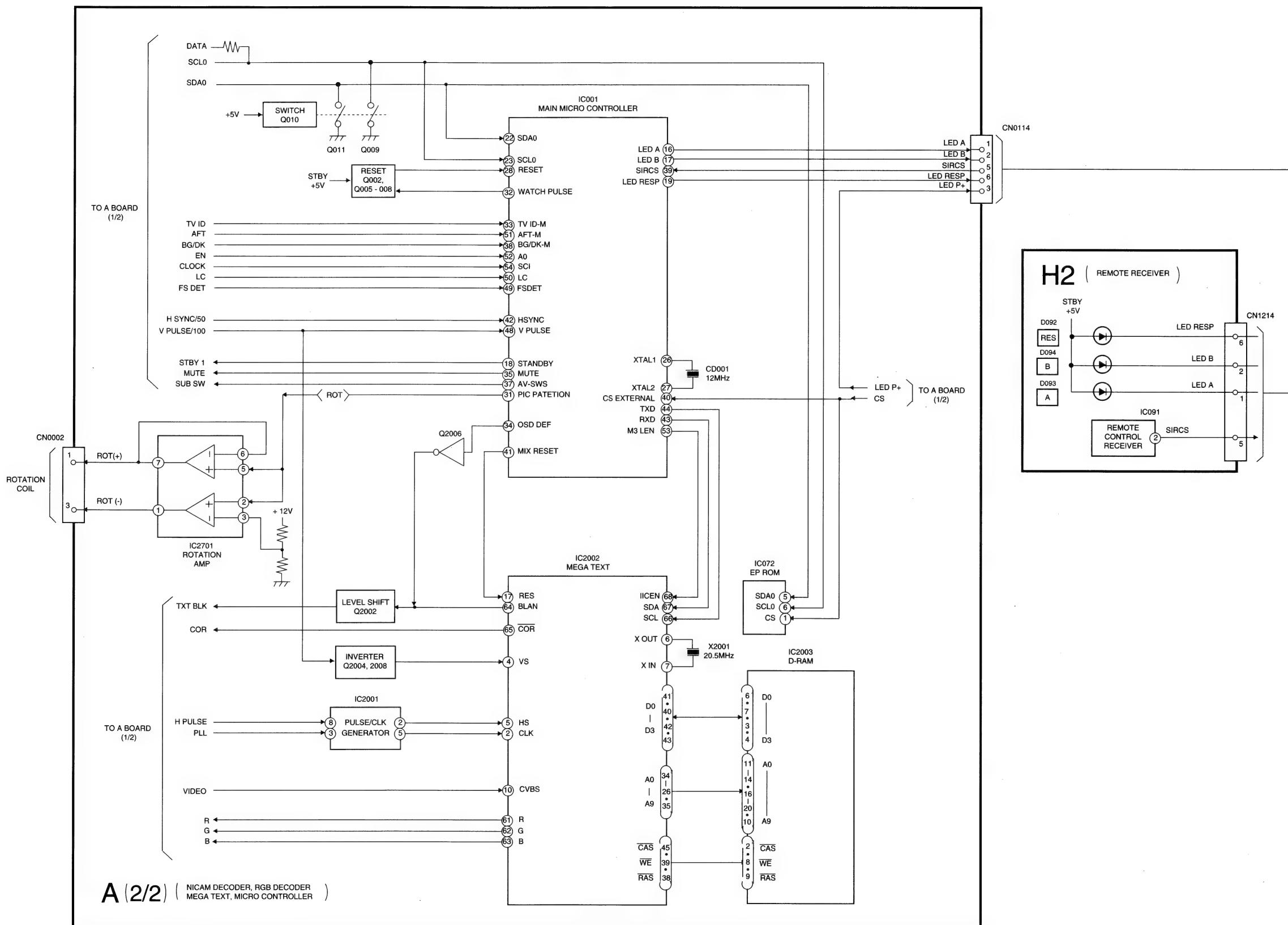
LED Error Code.

| Error | number of LED B blinking | Description | Board |
|-------|-----------------------------|-----------------------------------------------------------------------|-------|
| 0 | 1 | general IIC error | - |
| 1 | 2 | ST24C16 NVM error | A |
| 2 | 3 | CXP85332 subcontroller error | A |
| 3 | 4 | CXD2030R error of Digital Video Processor | B/B1 |
| 4 | 5 | CXD2032R error of Digital Sampling Rate Converter | B/B1 |
| 5 | 6 | CXD2035R error of Aspect Converter | B/B1 |
| 6 | 7 | TDA1839 error of Video Controller | A |
| 7 | 8 | TDA1840 error of CRT Driver | A |
| 8 | 9 | CXA1855 error of AV switch | J |
| 9 | 11 | SDA5273 error of Megatext | A |
| 10 | 12 | TDA6812 error of Sound Processor | A |
| 11 | 16 | V-Protection (In this case the TV set is switched off immediately) | - |

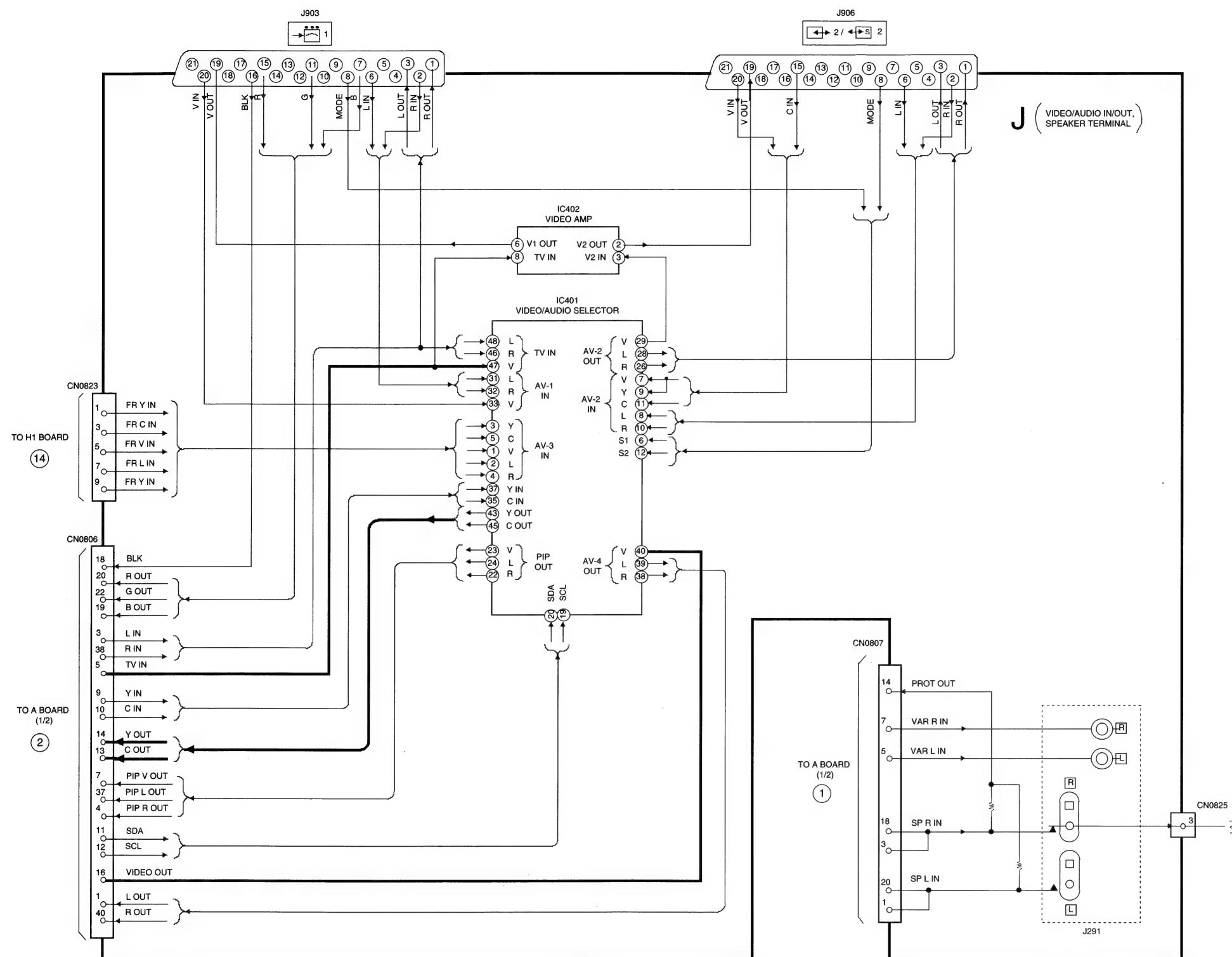
5-1. BLOCK DIAGRAM (1)



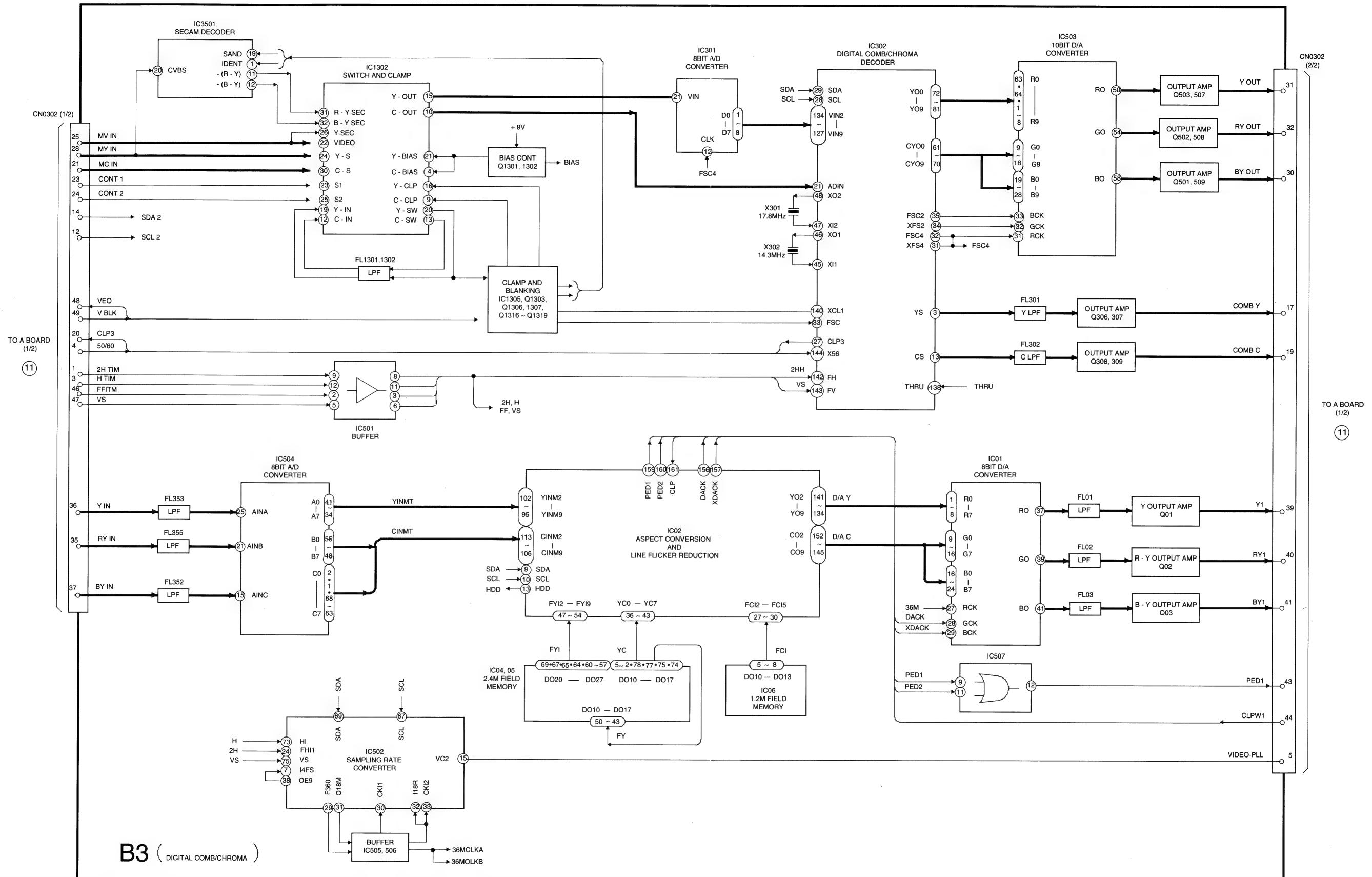
BLOCK DIAGRAM (2)



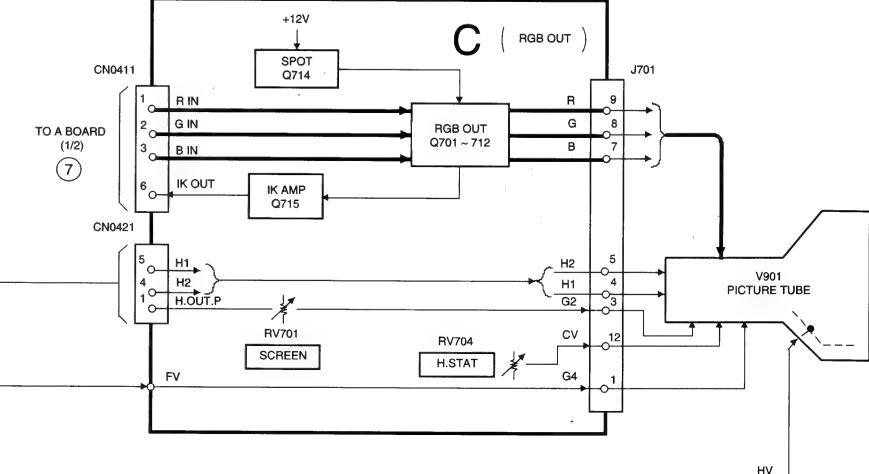
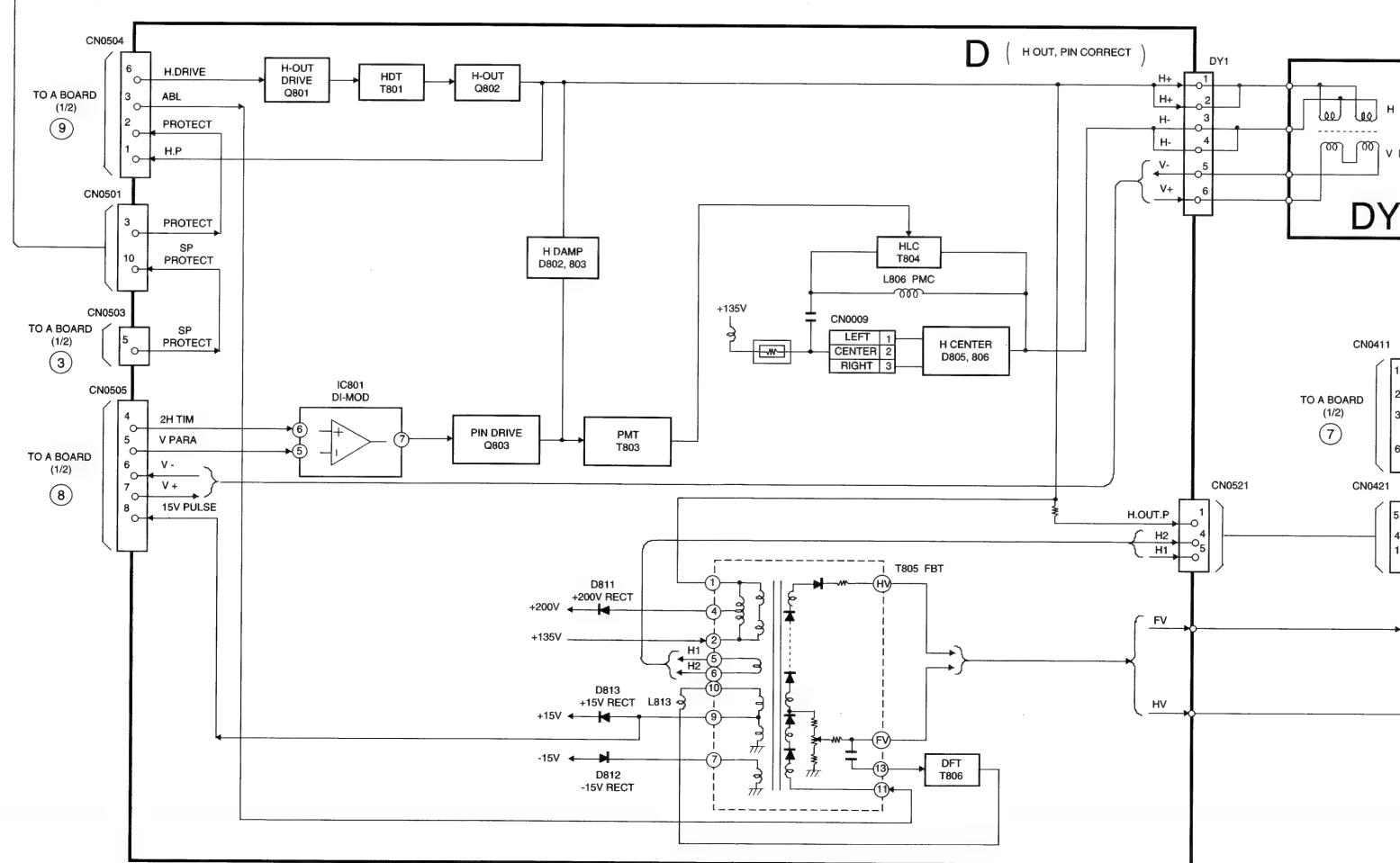
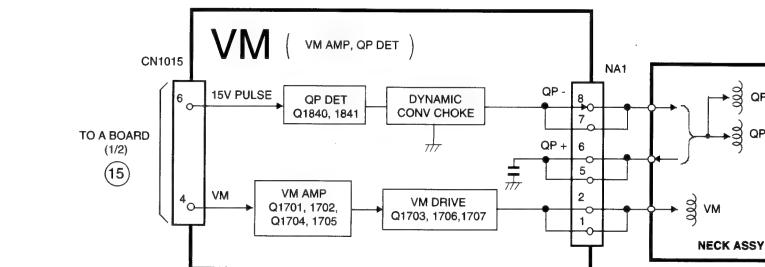
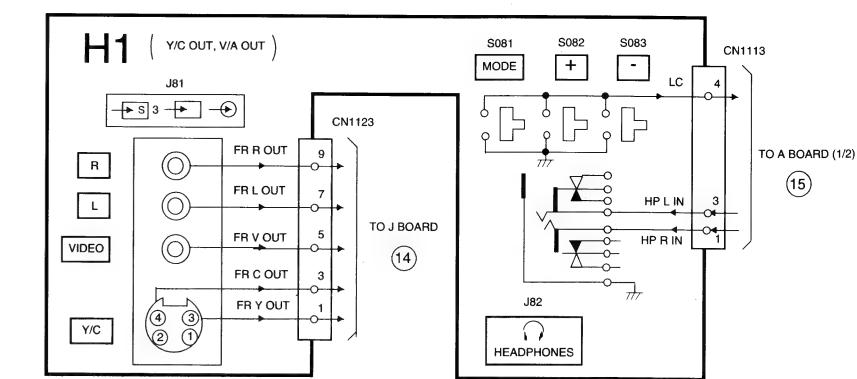
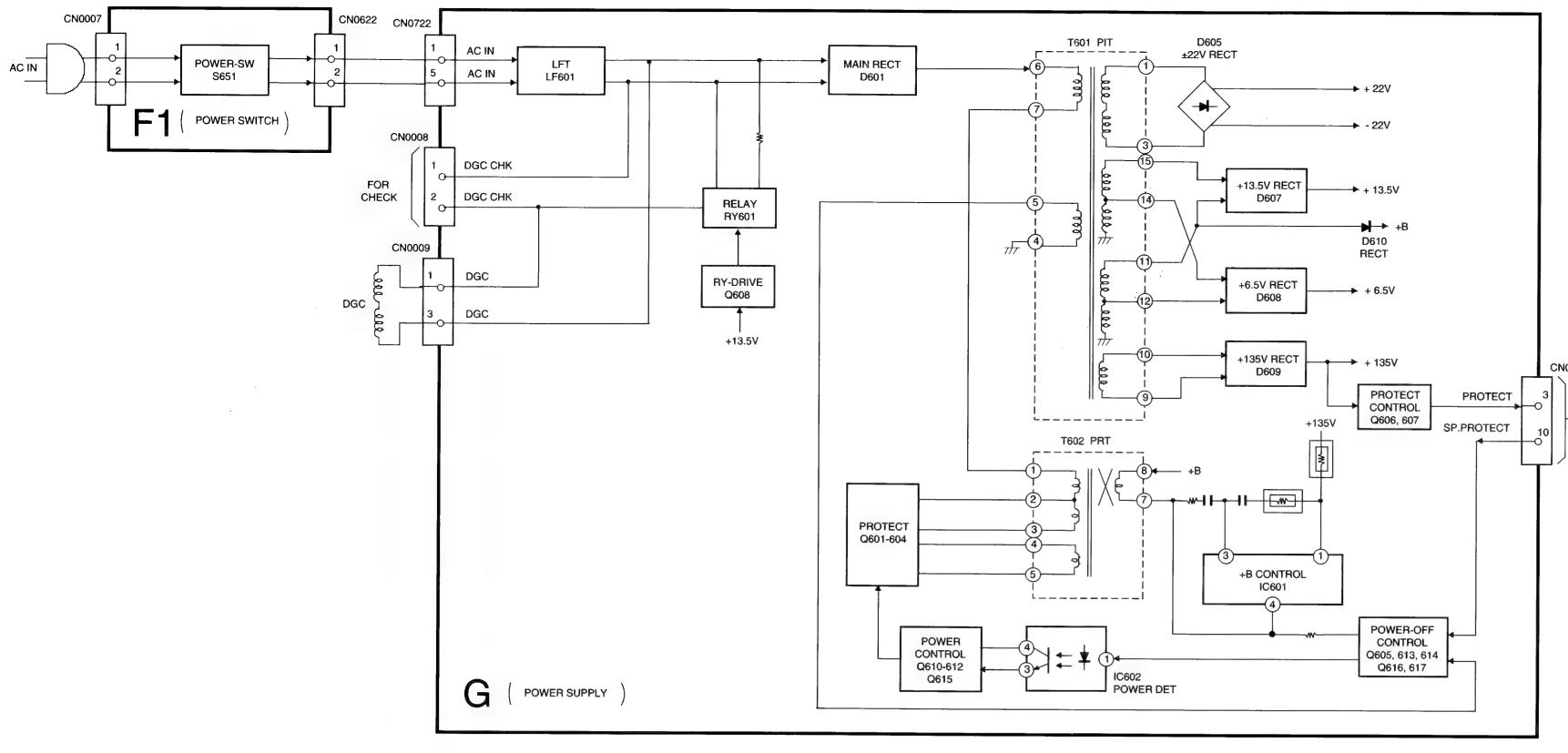
BLOCK DIAGRAM (3)

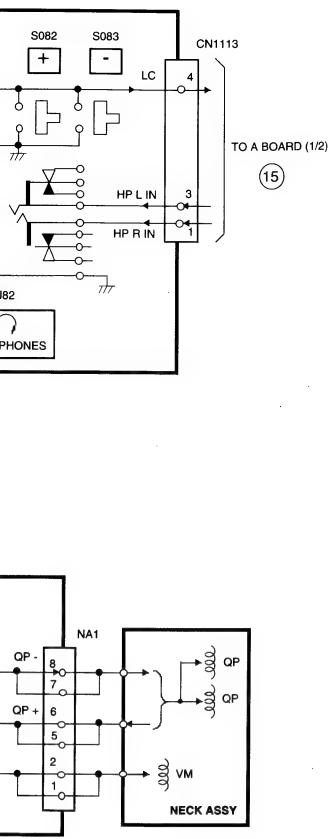


BLOCK DIAGRAM (4)

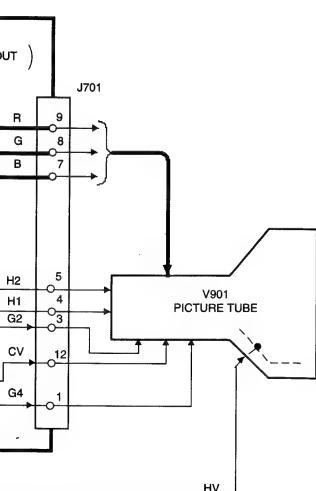
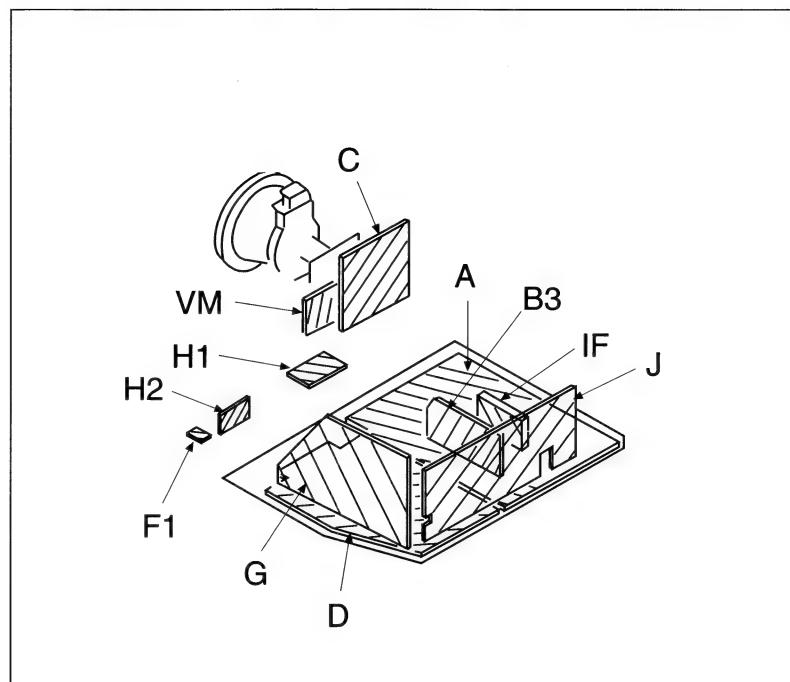


BLOCK DIAGRAMS (5)





5-2. CIRCUIT BOARDS LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

Note :

- All capacitors are in μF unless otherwise noted. pF: $\mu\mu\text{F}$ 50WV or less are not indicated except for electrolytic and tantalums.
- All resistors are in ohms.
 $k = 1000$, $M = 1000K$
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch : 5 mm
Rating electrical power $\frac{1}{4} \text{ W}$

- : nonflammable resistor.
- : internal component.
- : panel designation, or adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- : earth - ground.
- : earth - chassis.
- : no mounted.

Note : The components identified by shading and marked are critical for safety. Replace only with the part number specified.

Note : Les composants identifiés par une trame et une marque sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

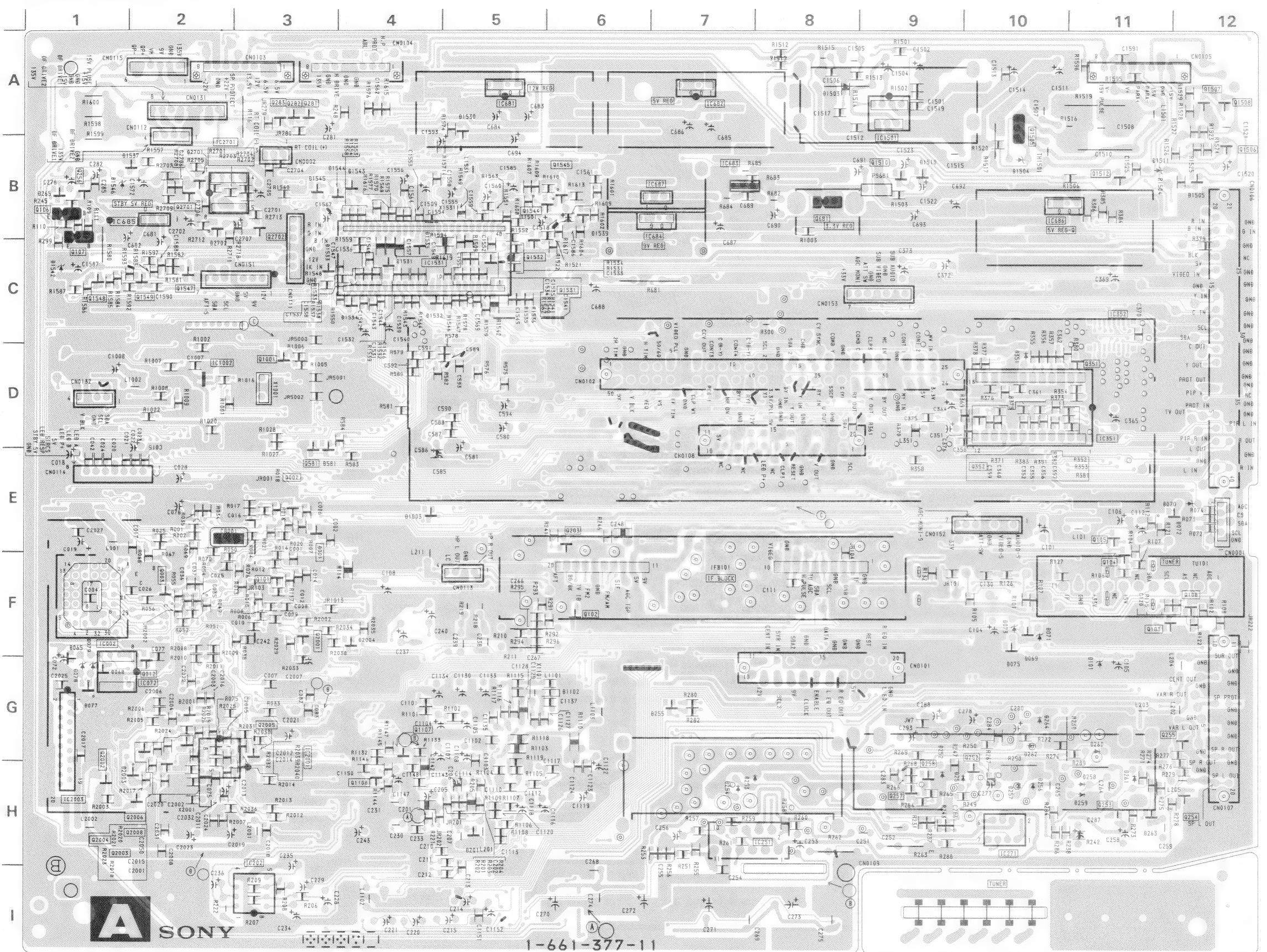
Reference information

| | | |
|-----------|---------|--------------------------|
| RESISTOR | : RN | METAL FILM |
| | : RC | SOLID |
| | : FPRD | NONFLAMMABLE CARBON |
| | : FUSE | NONFLAMMABLE FUSIBLE |
| | : RS | NONFLAMMABLE METAL OXIDE |
| | : RB | NONFLAMMABLE CEMENT |
| | : RW | NONFLAMMABLE WIREWOUND |
| | : | ADJUSTABLE RESISTOR |
| COIL | : LF-8L | MICRO INDUCTOR |
| CAPACITOR | : TA | TANTALUM |
| | : PS | STYROL |
| | : PP | POLYPROPYLENE |
| | : PT | MYLAR |
| | : MPS | METALIZED POLYESTER |
| | : MPP | METALIZED POLYPROPYLENE |
| | : ALB | BIPOLAR |
| | : ALT | HIGH TEMPERATURE |
| | : ALR | HIGH RIPPLE |

- Readings are taken with a colour-bar signal input.
- Readings are taken with $10\text{M}\Omega$ digital multimeter.
- Voltages are dc with respect to ground unless otherwise noted.
- Voltage variations may be noted due to normal production tolerances.
- All voltages are in V.
- Circled numbers are waveform references.
- : B+ bus.
- : signal path. (RF)

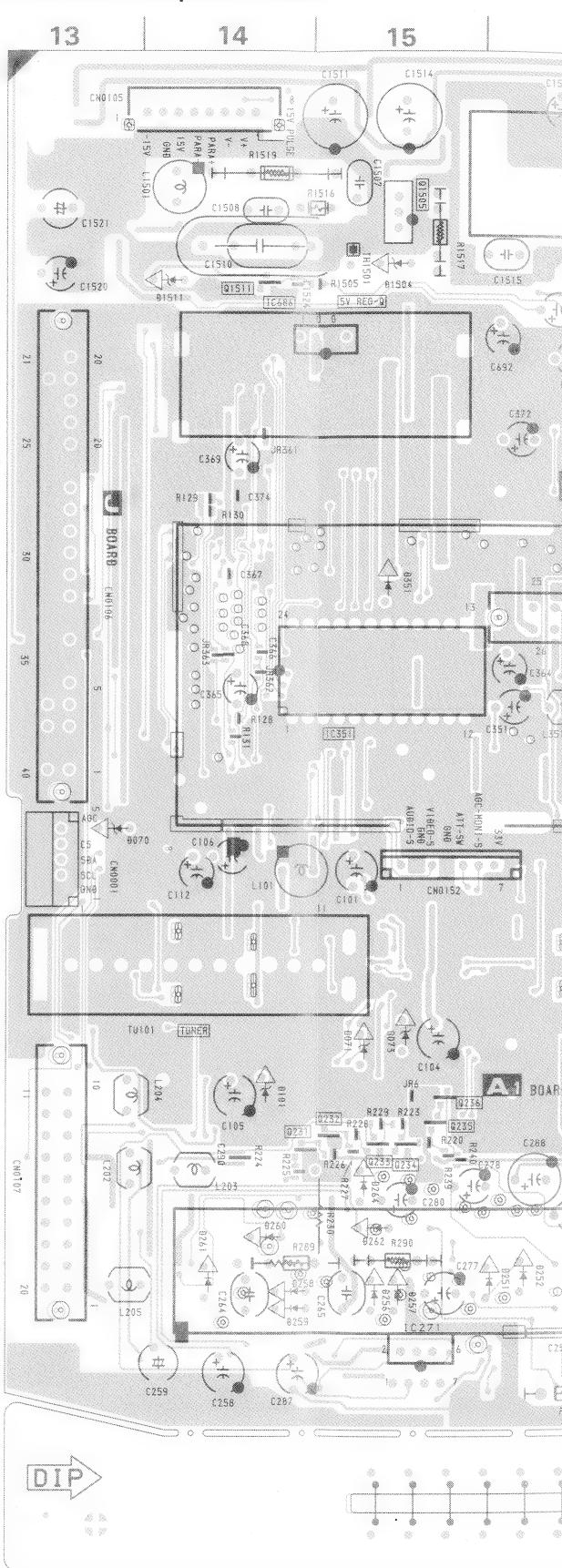
A

NICAM DECODER, RGB DECODER
MEGA TEXT, MICRO CONTROLLER

A Board <Conductor Side>

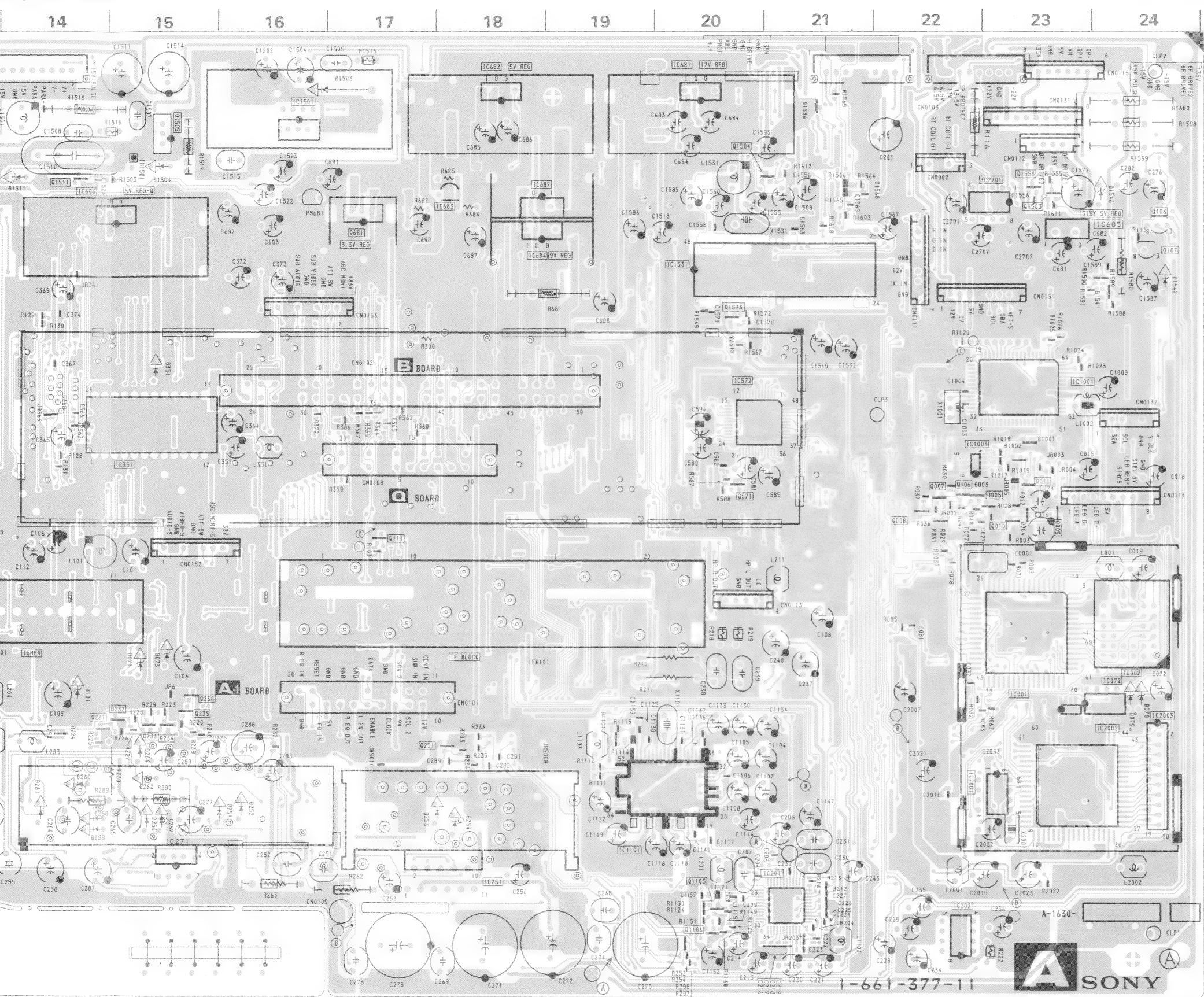
1-661-377-11

— 44 —

A Board <Component Side>

— 43 —

Component Side>

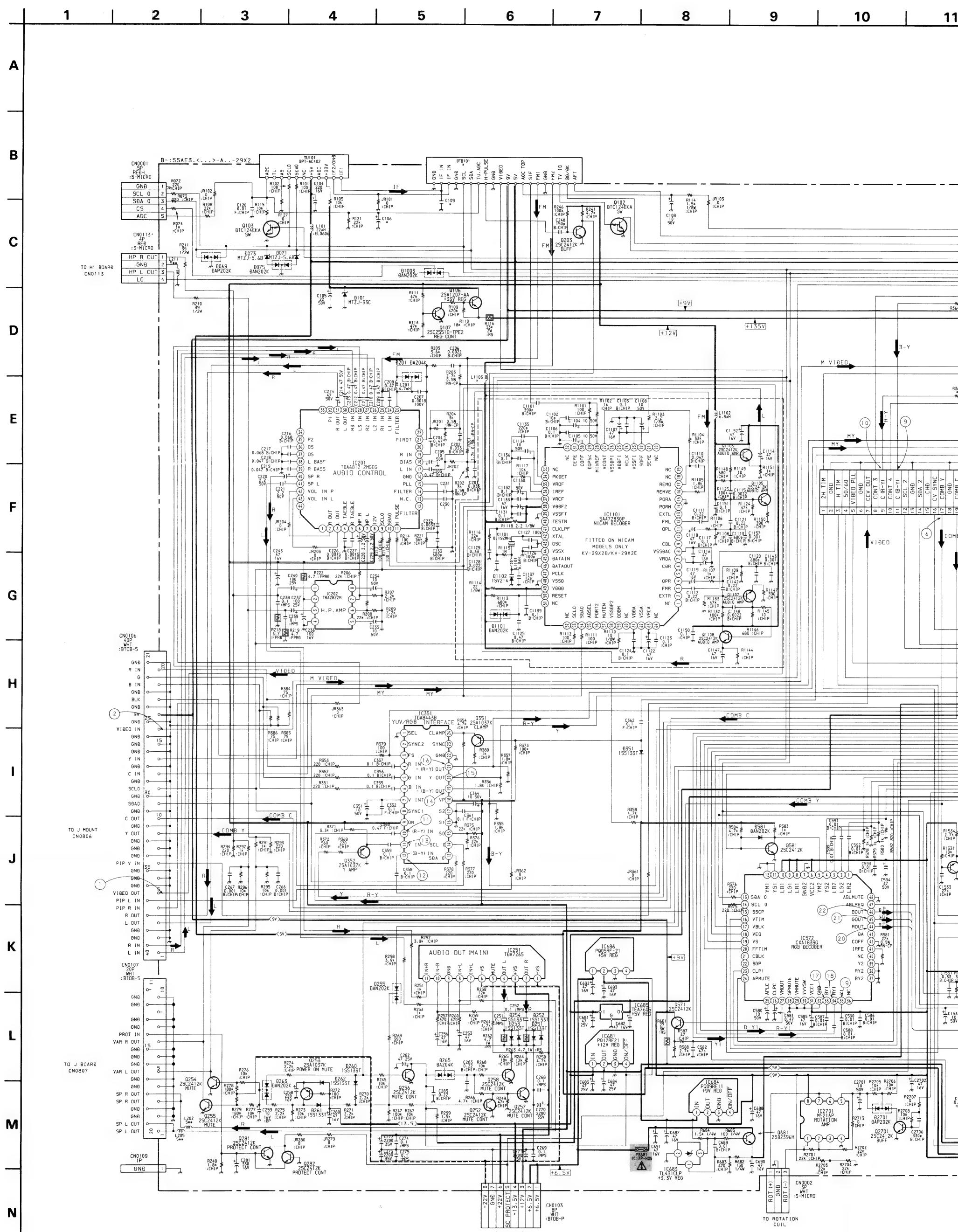


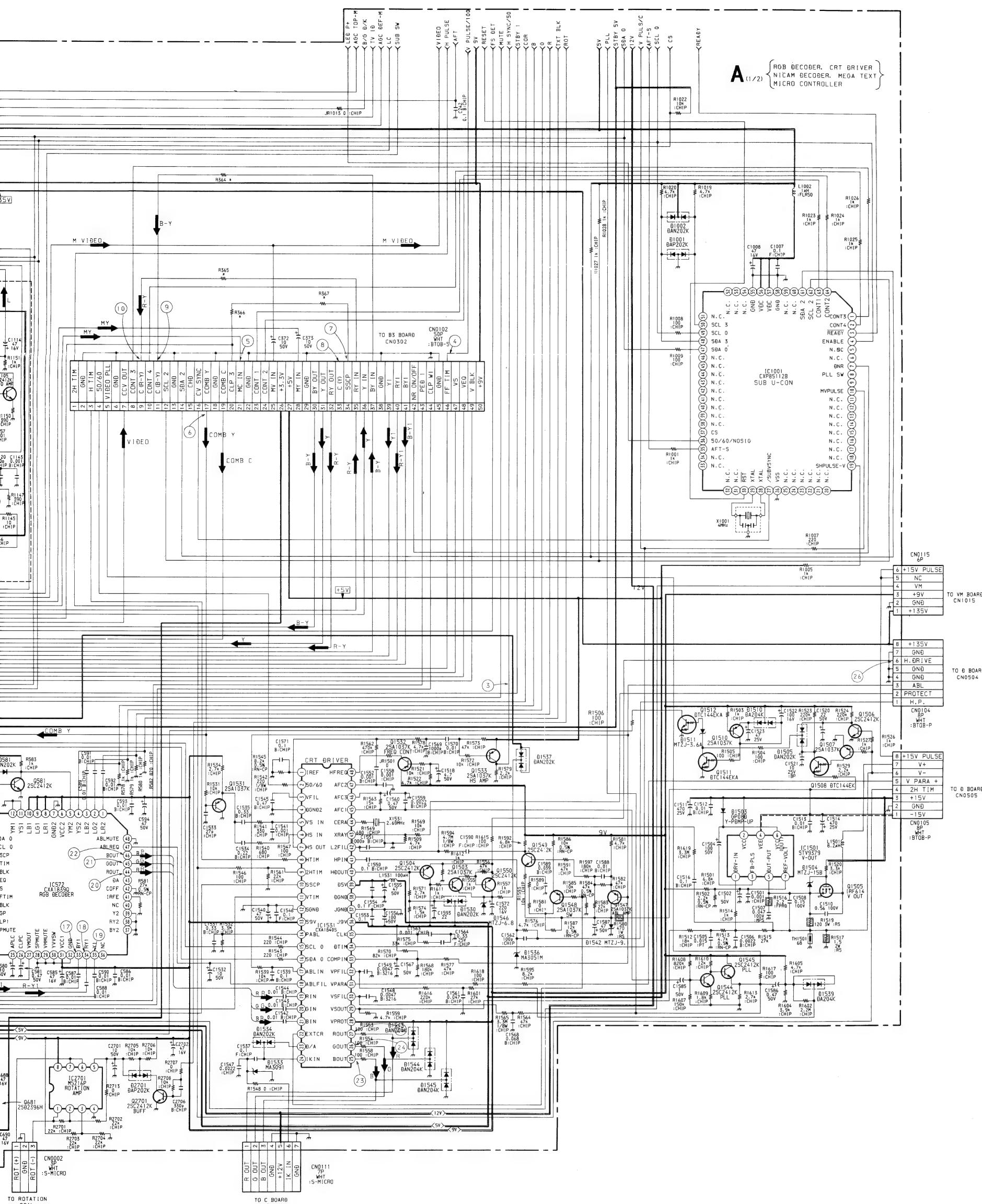
A BOARD *MARK

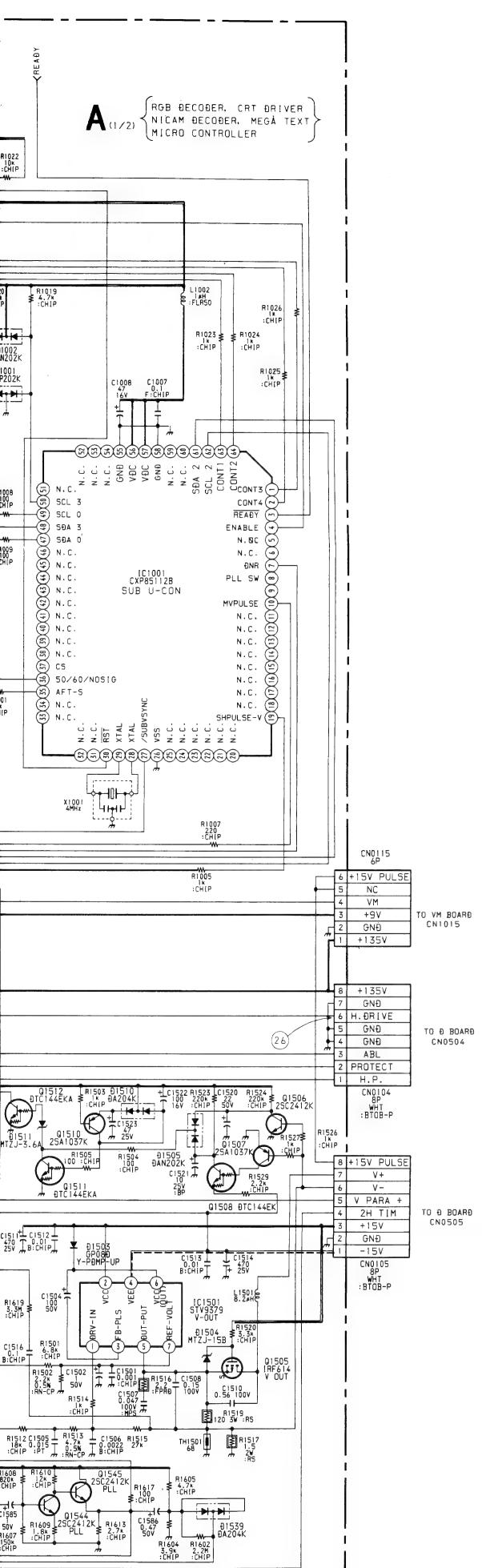
| Model Ref. No. | 29X2A | 29X2B | 29X2D | 29X2E |
|----------------|-----------|-----------|-----------|-----------|
| C106 | 4.7MF 50V | 100MF 16V | 4.7MF 50V | 4.7MF 50V |
| C109 | — | 15PF | — | — |
| IFB101 | IFH-389WE | IFH-389FX | IFH-389WE | IFH-389WE |
| JR201 | O:CHIP | — | O:CHIP | — |
| JR202 | O:CHIP | — | O:CHIP | — |
| L1103 | — | 68UH | — | 68UH |
| R364 | O:CHIP | — | O:CHIP | O:CHIP |
| R365 | O:CHIP | — | O:CHIP | O:CHIP |
| R366 | O:CHIP | — | O:CHIP | O:CHIP |
| R367 | — | O:CHIP | — | — |

A BOARD

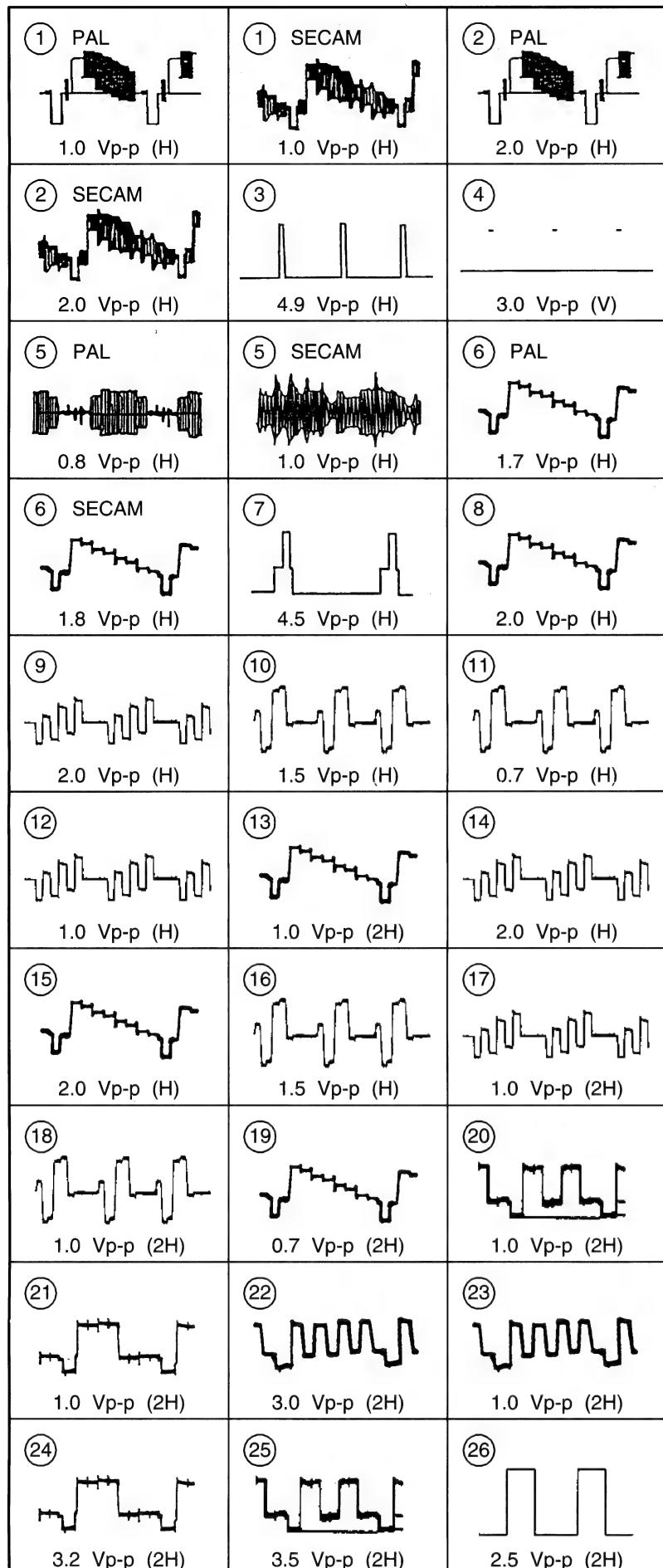
| IC | Q203 | E-6 | Q1549 | C-2 | D351 | D-10 | |
|------------|-------|-------|-------|-------|-------|-------|------|
| IC001 | F-23 | Q252 | G-10 | Q1550 | B-23 | D581 | E-3 |
| IC072 | G-2 | Q253 | H-11 | Q2001 | F-3 | D1001 | D-23 |
| IC201 | H-21 | Q254 | H-12 | Q2002 | G-1 | D1002 | D-23 |
| IC202 | H-3 | Q255 | G-12 | Q2004 | H-1 | D1003 | E-4 |
| IC251 | H-8 | Q256 | B-1 | Q2005 | G-3 | D1101 | G-19 |
| IC351 | D-11 | Q257 | H-9 | Q2006 | H-2 | D1102 | G-6 |
| IC572 | D-20 | Q258 | G-9 | Q2008 | H-2 | D1503 | A-8 |
| IC681 | A-5 | Q281 | A-3 | Q2701 | B-2 | D1504 | B-10 |
| IC683 | B-7 | Q282 | A-3 | | | D1505 | B-12 |
| IC684 | B-7 | Q351 | D-11 | | | D1510 | B-9 |
| IC685 | B-1 | Q352 | E-10 | | | D1511 | B-11 |
| IC686 | B-10 | Q571 | E-20 | | | D1530 | A-5 |
| IC1001 | D-23 | Q581 | E-3 | D001 | E-3 | D1533 | C-3 |
| IC1101 | H-19 | Q681 | B-8 | D003 | E-23 | D1534 | C-4 |
| IC1501 | A-9 | Q1001 | D-3 | D004 | E-23 | D1536 | A-21 |
| IC1531 | C-4 | Q1105 | H-20 | D068 | G-1 | D1537 | B-2 |
| IC2001 | G-3 | Q1106 | I-20 | D1539 | B-6 | | |
| IC2002 | G-24 | Q1107 | G-4 | D069 | F-10 | | |
| IC2003 | H-1 | Q1108 | H-4 | D071 | F-10 | | |
| IC2701 | B-2 | Q1109 | H-4 | D073 | F-10 | | |
| TRANSISTOR | Q1507 | A-12 | Q1503 | B-23 | D1542 | C-1 | |
| Q002 | E-3 | Q1508 | A-12 | D1543 | B-4 | | |
| Q005 | E-23 | Q1510 | B-9 | D1544 | B-3 | | |
| Q006 | E-22 | Q1511 | B-14 | D1545 | B-3 | | |
| Q007 | E-22 | Q1512 | B-11 | D1546 | B-1 | | |
| Q008 | E-22 | Q1531 | C-6 | D2001 | F-1 | | |
| Q009 | E-23 | Q1532 | C-5 | D2004 | F-4 | | |
| Q010 | E-23 | Q1533 | C-20 | D2701 | B-2 | | |
| Q011 | E-23 | Q1544 | B-5 | | | | |
| Q102 | F-6 | Q1545 | B-6 | | | | |
| Q103 | F-11 | Q1547 | C-2 | | | | |
| Q106 | B-1 | Q1548 | C-1 | | | | |
| Q107 | C-1 | Q1549 | B-1 | | | | |



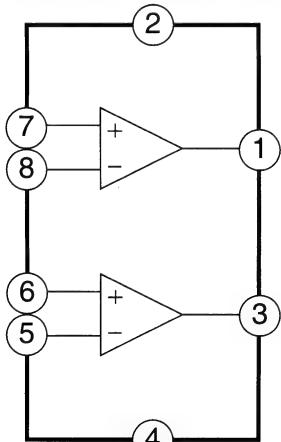




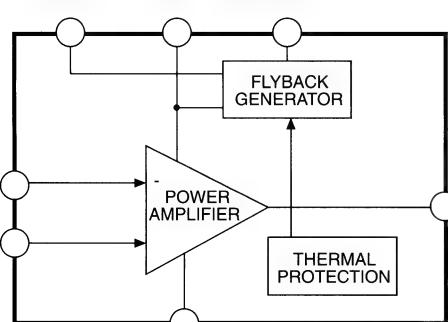
WAVEFORMS A BOARD



A Board IC202 TDA2822M



A Board IC1501 STV9379

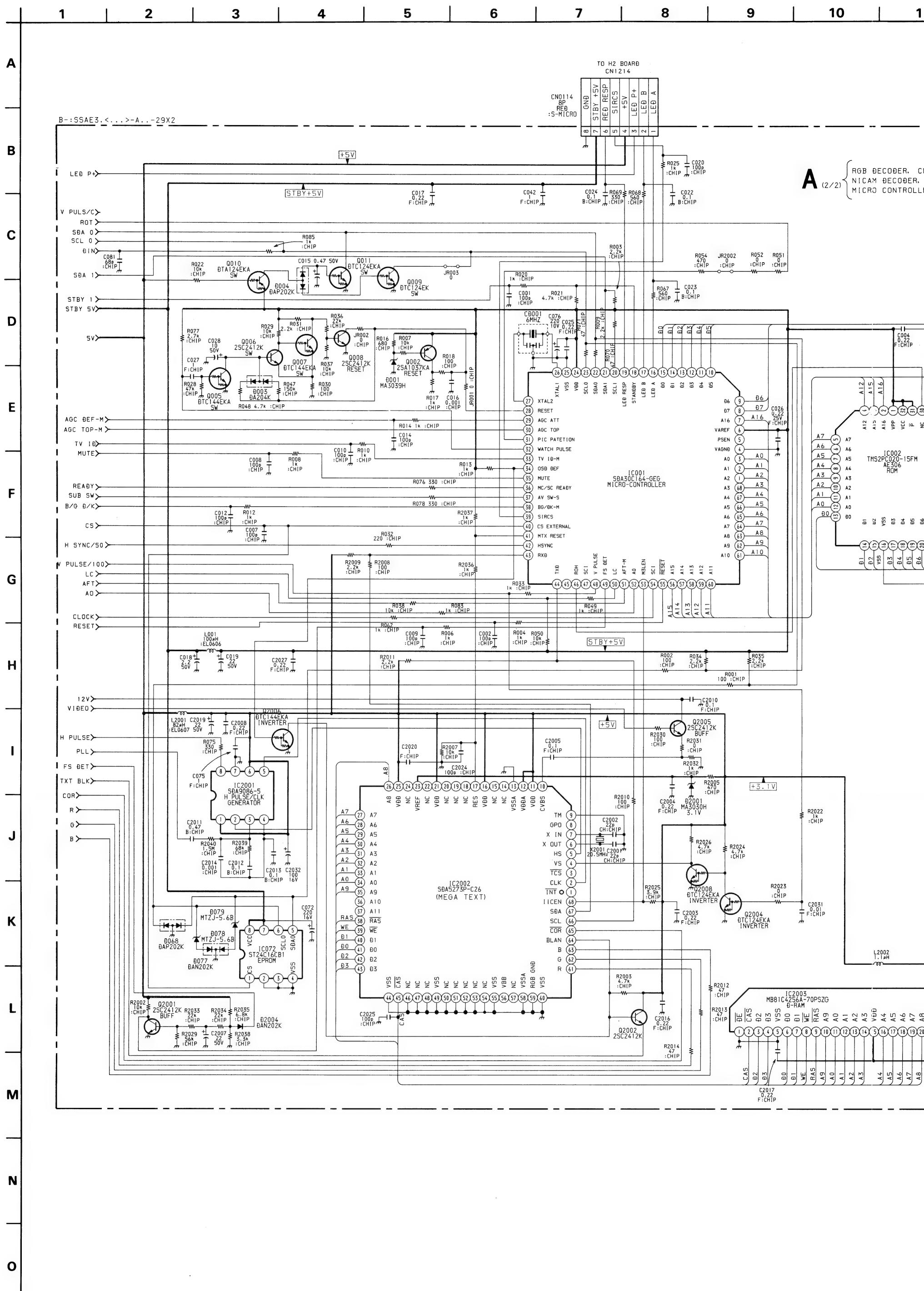


| Ref.No. | Pin No. | Voltage (V) | Ref.No. | Pin No. | Voltage (V) | Ref.No. | Pin No. | Voltage (V) |
|---------|---------|-------------|-----------|---------|-------------|---------|---------|-------------|
| IC1001 | 1 | 0 | | 44 | GND | | 5 | 3.6 |
| | 2 | 0 | | 45-47 | 2.1 | | 6 | 3.0 |
| | 3 | 5.0 | | 48 | GND | | 7 | 3.1 |
| | 4 | 4.0 | | 49-50 | 4.4 | | 8 | 1.7 |
| | 5-6 | - | | 51-52 | - | | 9 | 1.8 |
| | 7 | 0 | | 53-54 | 4.0 | | 10 | 0.8 |
| | 8-9 | - | | 55-60 | - | | 11 | 0.5 |
| | 10 | 0.2 | | 61 | 4.4 | | 12 | GND |
| | 11 | - | | 62 | GND | | 13 | 9.0 |
| | 12 | 1.5 | | 63 | 2.2 | | 14 | 0 |
| | 13-18 | - | | 64 | - | | 15 | 3.8 |
| | 19 | 1.0 | IC201 | 1 | 0 | | 16 | 4.0 |
| | 20-25 | - | | 2-7 | 6.1 | | 17 | 4.4 |
| | 26 | GND | | 8 | 12.0 | | 18 | 8.7 |
| | 27 | 2.0 | | 9-10 | 4.0 | | 19-21 | 3.6 |
| | 28 | 2.5 | | 11 | 0.1 | | 22 | 0.8 |
| | 29 | 2.5 | | 12 | 0 | | 23 | 2.4 |
| | 30 | 4.0 | | 13-15 | 3.0 | | 24 | 5.0 |
| | 31-54 | - | | 16 | 0 | | 25 | 2.1 |
| | 55 | GND | | 17-19 | 6.1 | | 26 | 2.2 |
| | 56 | 5.0 | | 20 | 0 | | 27 | 2.1 |
| | 57 | 5.0 | | 21 | 6.1 | | 28 | 8.0 |
| | 58 | GND | | 22 | 0 | | 29-32 | 4.0 |
| | 59-60 | - | | 23-31 | 6.1 | | 33 | 5.1 |
| | 61 | 6.3 | | 32-35 | 0 | | 34 | 0.2 |
| | 62 | 4.2 | | 36-43 | 6.1 | | 35 | 2.4 |
| | 63 | 0 | | 44 | 0 | | 36 | 9.0 |
| | 64 | 0 | IC202 | 1 | 5.4 | | 37 | GND |
| IC1101 | 1-2 | - | | 2 | 12.0 | | 38 | 0 |
| | 3 | 1.0 | | 3 | 5.4 | | 39 | 5.0 |
| | 4 | 2.2 | | 4 | GND | | 40 | 2.1 |
| | 5-6 | - | | 5 | 0.5 | | 41 | 2.2 |
| | 7 | 2.2 | | 6-7 | 0 | | 42 | 4.2 |
| | 8 | 0 | | 8 | 0.5 | | 43 | 0 |
| | 9-10 | - | IC2701 | 1-3 | 4.4 | | 44 | - |
| | 11 | 2.2 | | 4.0 | - | | 45-47 | 4.6 |
| | 12 | 1.0 | | 5-7 | - | | 48 | 4.4 |
| | 13-14 | - | | 8.0 | 0 | IC1501 | 1 | 2.2 |
| | 15 | GND | | 9.0 | 0.2 | | 2 | 14.0 |
| | 16 | 2.2 | IC1003 | 1-4 | GND | | 3 | -14.0 |
| | 17 | 4.0 | | 5-6 | 5.0 | | 4 | -16.0 |
| | 18-21 | - | | 7 | GND | | 5 | -1.4 |
| | 22 | 2.2 | IC251/261 | 1 | -20.0 | | 6 | 14.5 |
| | 23 | 0 | | 2 | 0 | IC681 | 1 | 13.3 |
| | 24 | - | | 3 | 20.0 | | 2 | 12.0 |
| | 25 | 2.2 | | 4 | 0 | | 3 | GND |
| | 26 | - | | 5 | 10.0 | | 4 | 2.3 |
| | 27-30 | 2.1 | | 6 | -20.0 | IC682 | 1 | 5.7 |
| | 31-33 | - | | 7-8 | 0 | | 2 | 5.0 |
| | 34 | 1.8 | | 9 | GND | | 3 | GND |
| | 35-37 | 2.1 | | 10-11 | 0 | | 4 | 2.3 |
| | 38 | 4.1 | IC1531 | 1 | 3.7 | IC683 | 1 | 2.4 |
| | 39 | GND | | 2 | 0.3 | | 2 | GND |
| | 40 | - | | 3 | 5.8 | | 3 | 4.0 |
| | 41 | 1.7 | | 4 | GND | | 43 | 2.1 |
| | 42 | 3.1 | | | | | | |
| | 43 | 2.1 | | | | | | |

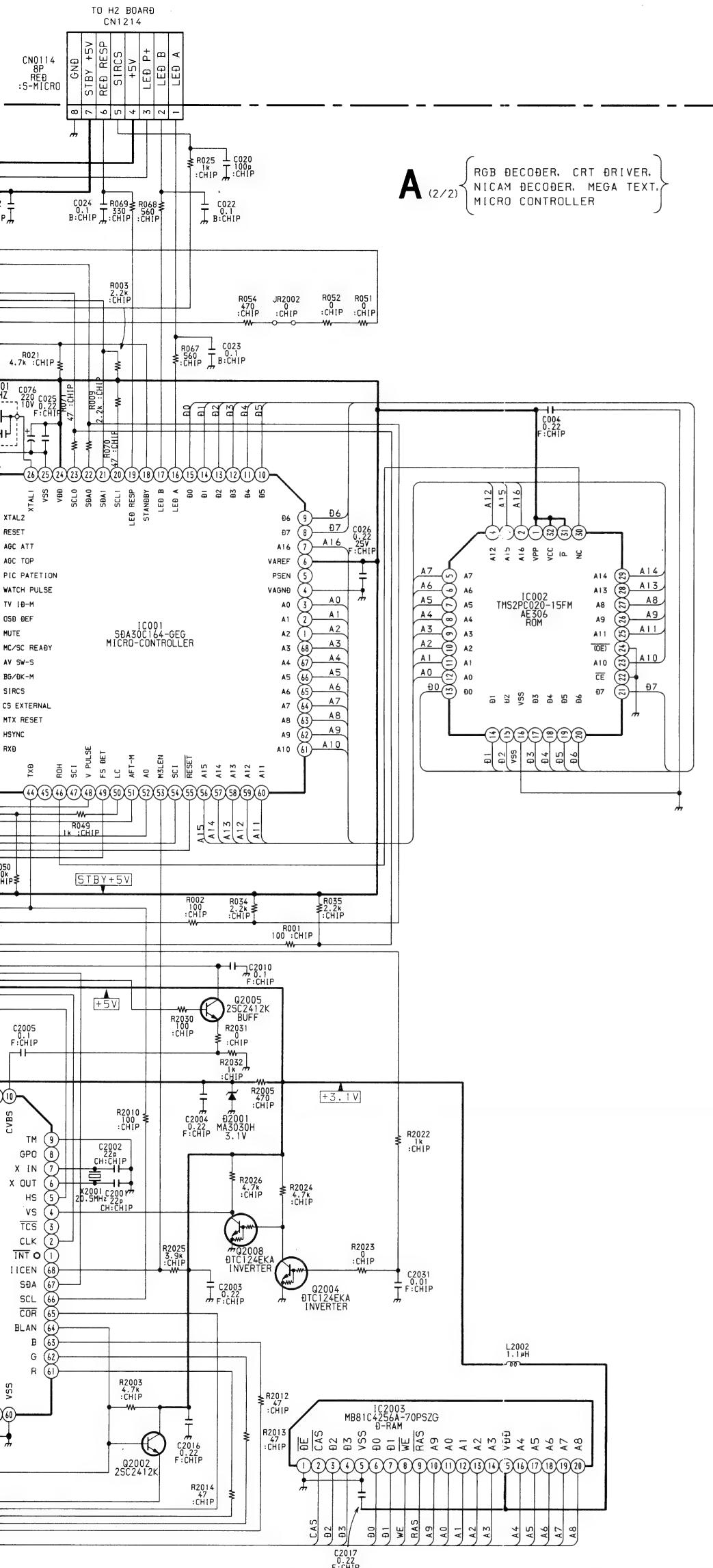
All Voltages are indicated in Volts DC

| Ref.No. | Pin No. | Voltage (V) |
|---------|---------|-------------|
| IC684 | 1 | 11.9 |
| | 2 | GND |
| | 3 | 9.0 |
| IC685 | 1 | 5.8 |
| | 2 | GND |
| | 3 | 5.0 |
| IC686 | 1 | 5.6 |
| | 2 | 5.0 |
| | 3 | GND |
| | 4 | 2.3 |
| IC572 | 1-3 | 6.0 |
| | 6 | 9.0 |
| | 7 | GND |
| | 8-10 | 9.0 |
| | 11-12 | GND |
| | 13-14 | 4.0 |
| | 15 | 0.8 |
| | 16 | 0.6 |
| | 17 | 0.5 |
| | 18-20 | 0.3 |
| | 21-22 | NC |
| | 23 | 0.2 |
| | 25 | 4.0 |
| | 26 | 4.7 |
| | 28-30 | GND |
| | 31 | 9.0 |
| | 32 | GND |
| | 33-35 | 4.4 |
| | 37-39 | GND |
| | 41 | 2.5 |
| | 42 | GND |
| | 44-45 | 2.7 |
| | 46 | 2.6 |
| | 47 | 8.7 |
| | 48 | NC |

| Pin No. | (B) Base | (C) Collector | (E) Emitter |
|---------|-------------|------------------|----------------|
| Q102 | 4.7 | 0 | 0 |
| Q103 | 0 | 1.7 | 0 |
| Q106 | 31.4 | 32.0 | 32.0 |
| Q107 | 0.5 | 0 | 0 |
| Q203 | 0.6 | 0.1 | 0 |
| Q251 | 0.6 | 0 | 0 |
| Q252 | 0 | 0.6 | 0 |
| Q253 | 13.4 | -0.4 | 13.4 |
| Q254 | -2.1 | 0 | 0 |
| Q255 | -2.0 | 0 | 0 |
| Q256 | -0.1 | 2.3 | 0 |
| Q257 | 0.6 | 0 | 0 |
| Q259 | 21.5 | 10.5 | 21.1 |
| Q260 | 0 | 21.5 | 0 |
| Q351 | 2.8 | 1.7 | 3.5 |
| Q352 | 1.8 | 0 | 2.5 |
| Q571 | 6.4 | 9.0 | 5.7 |
| Q581 | 0.6 | 0 | 0 |
| Q1001 | 0.3 | 0 | 1.0 |
| Q1105 | 3.0 | 5.6 | 2.4 |
| Q1107 | 3.0 | 5.8 | 2.4 |
| Q1108 | 5.8 | 11.8 | 5.2 |
| Q1502 | 0.4 | 9.0 | -3.7 |
| Q1531 | 5.6 | 0 | 6.1 |
| Q1532 | 9.0 | 4.4 | 9.0 |
| Q1533 | 0.5 | 0.4 | 0 |
| Q1544 | 1.1 | 4.5 | 0.6 |
| Q1545 | 4.5 | 9.0 | 4.0 |
| Q1447 | 4.4 | -9.0 | 5.0 |
| Q1548 | 6.4 | 9.0 | 5.7 |
| Q1549 | 0.9 | -0.2 | 1.4 |
| Q1532 | -1.2 | 3.0 | -1.8 |



7 | **8** | **9** | **10** | **11** | **12** | **13** |

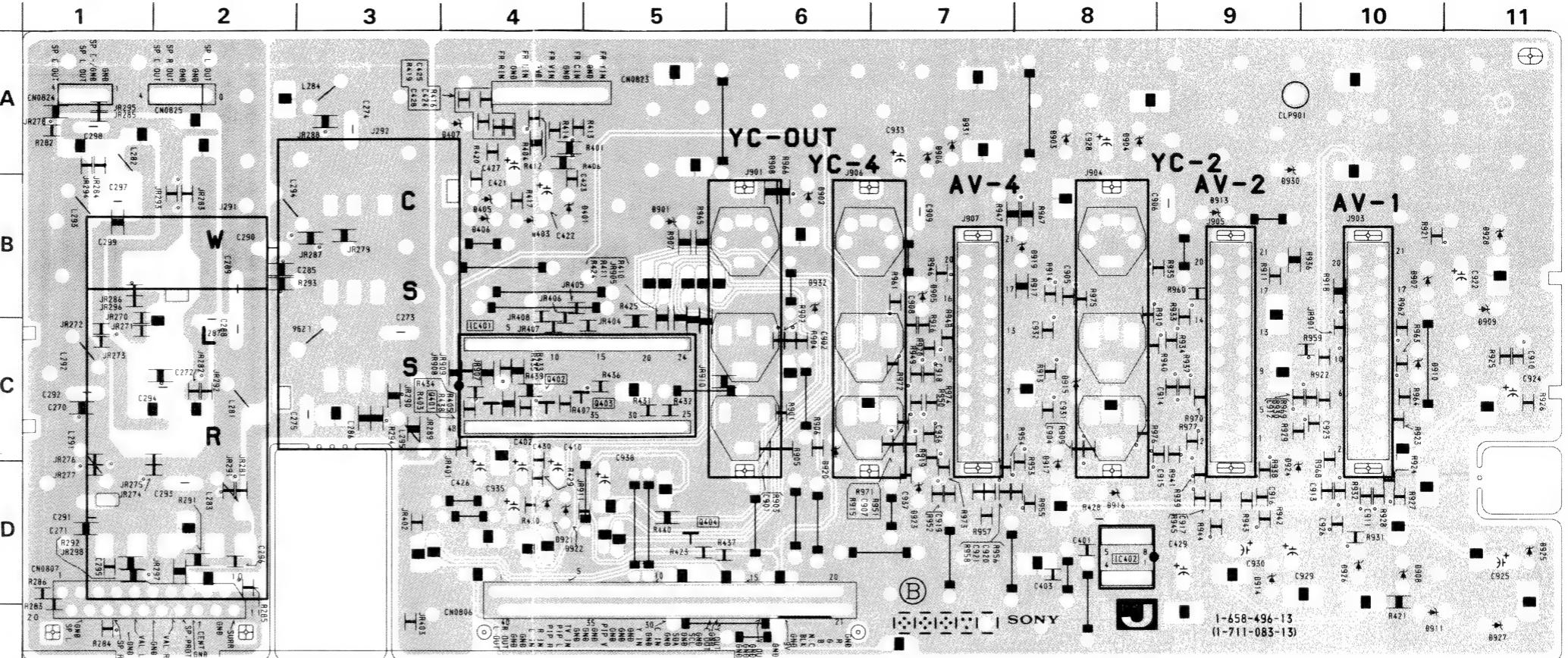


| Ref.No. | Pin No. | Voltage (V) |
|---------|---------|-------------|
| IC001 | 6 | 5.0 |
| | 16-17 | 3.7 |
| | 18 | 2.5 |
| | 19 | 3.6 |
| | 20-21 | 5.0 |
| | 22-23 | 4.0 |
| | 24 | 5.0 |
| | 26 | 2.1 |
| | 27 | 2.3 |
| | 28 | 4.7 |
| | 29 | 0 |
| | 30 | 4.8 |
| | 31 | 2.4 |
| | 32 | 1.6 |
| | 34 | 5.0 |
| | 36 | 5.0 |
| | 37 | 3.4 |
| | 38 | 3.3 |
| | 39-40 | 5.0 |
| | 41 | 0.1 |
| | 42 | 0.4 |
| | 43 | 5.0 |
| | 44 | 4.8 |
| | 48 | 0.3 |
| | 49 | 1.3 |
| | 50 | 5.0 |
| | 51 | 2.4 |
| | 52 | 5.0 |
| | 53 | 4.5 |
| | 54 | 5.0 |
| | 55 | 3.8 |
| IC002 | 1 | 5.0 |
| | 31-32 | 5.0 |
| IC2002 | 2 | 1.5 |
| | 4-5 | 0.1 |
| | 6-7 | 1.7 |
| | 10 | 0.8 |
| | 11-12 | 5.0 |
| | 16 | 5.0 |
| | 17 | 0.1 |
| | 21 | 5.0 |
| | 23 | 3.0 |
| | 25 | 5.0 |
| | 45 | 4.4 |
| | 65 | 0.6 |
| | 66-67 | 5.0 |
| | 68 | 4.5 |
| IC2003 | 15 | 4.5 |

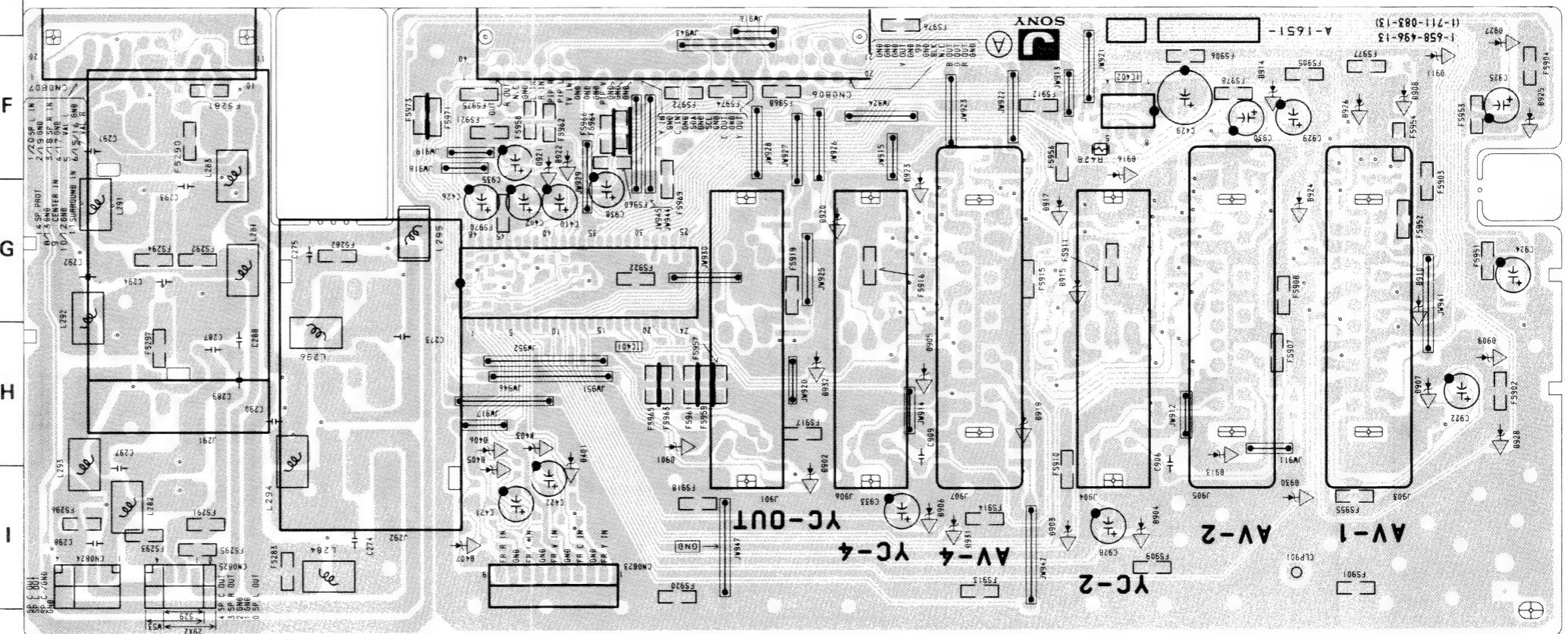
| Pin No. | (B) Base | (C) Collector | (E) Emitter |
|---------|-------------|------------------|----------------|
| Ref.No. | | | |
| Q002 | 4.2 | 4.7 | 4.8 |
| Q005 | -0.1 | 0 | 0 |
| Q006 | 0 | 4.8 | 0.8 |
| Q007 | 4.8 | 0.9 | 0.8 |
| Q008 | 0.3 | 4.8 | 0 |
| Q2001 | 0.3 | 5.0 | 0 |
| Q2002 | 0 | 4.8 | 0 |
| Q2004 | 0.3 | 4.0 | 0 |
| Q2005 | 3.8 | 12.0 | 3.1 |
| Q2006 | 0.1 | 0 | 0 |
| Q2008 | 4.0 | 0.1 | 0 |

J BOARD

| IC | |
|------------|------|
| IC401 | C-4 |
| IC402 | D-8 |
| TRANSISTOR | |
| Q401 | C-3 |
| Q402 | C-4 |
| Q403 | C-5 |
| Q404 | D-5 |
| DIODE | |
| D401 | B-4 |
| D403 | B-4 |
| D405 | B-4 |
| D406 | B-4 |
| D407 | A-4 |
| D903 | A-8 |
| D904 | A-8 |
| D907 | B-10 |
| D908 | D-10 |
| D909 | B-11 |
| D910 | C-10 |
| D911 | E-10 |
| D913 | B-9 |
| D914 | D-9 |
| D915 | C-8 |
| D916 | D-8 |
| D917 | C-8 |
| D924 | C-9 |
| D925 | D-11 |
| D926 | D-10 |
| D927 | E-11 |
| D928 | B-11 |
| D930 | B-9 |
| D931 | A-7 |



J Board <Component Side>



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11

A

B

C

D

E

F

G

H

I

J

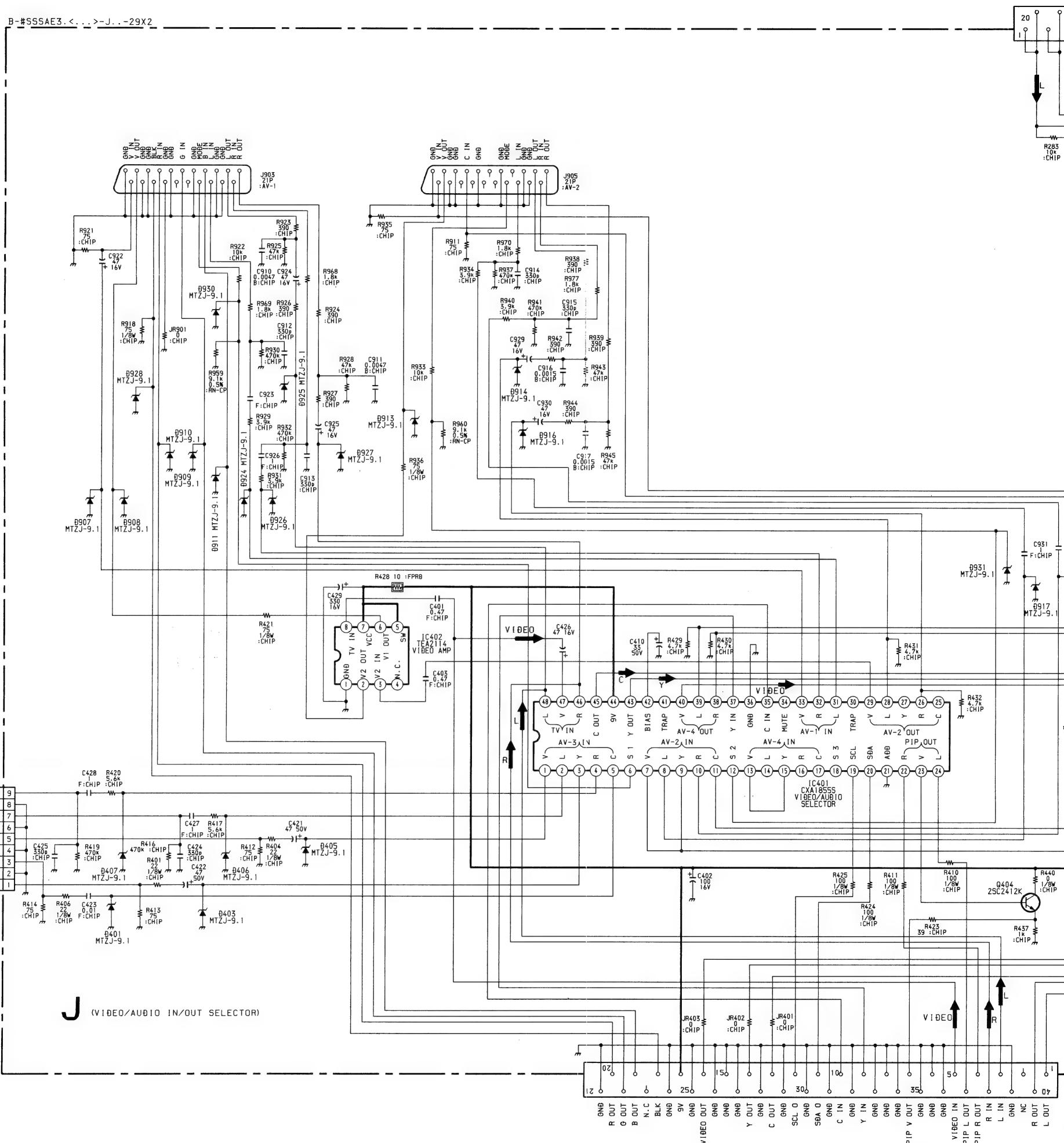
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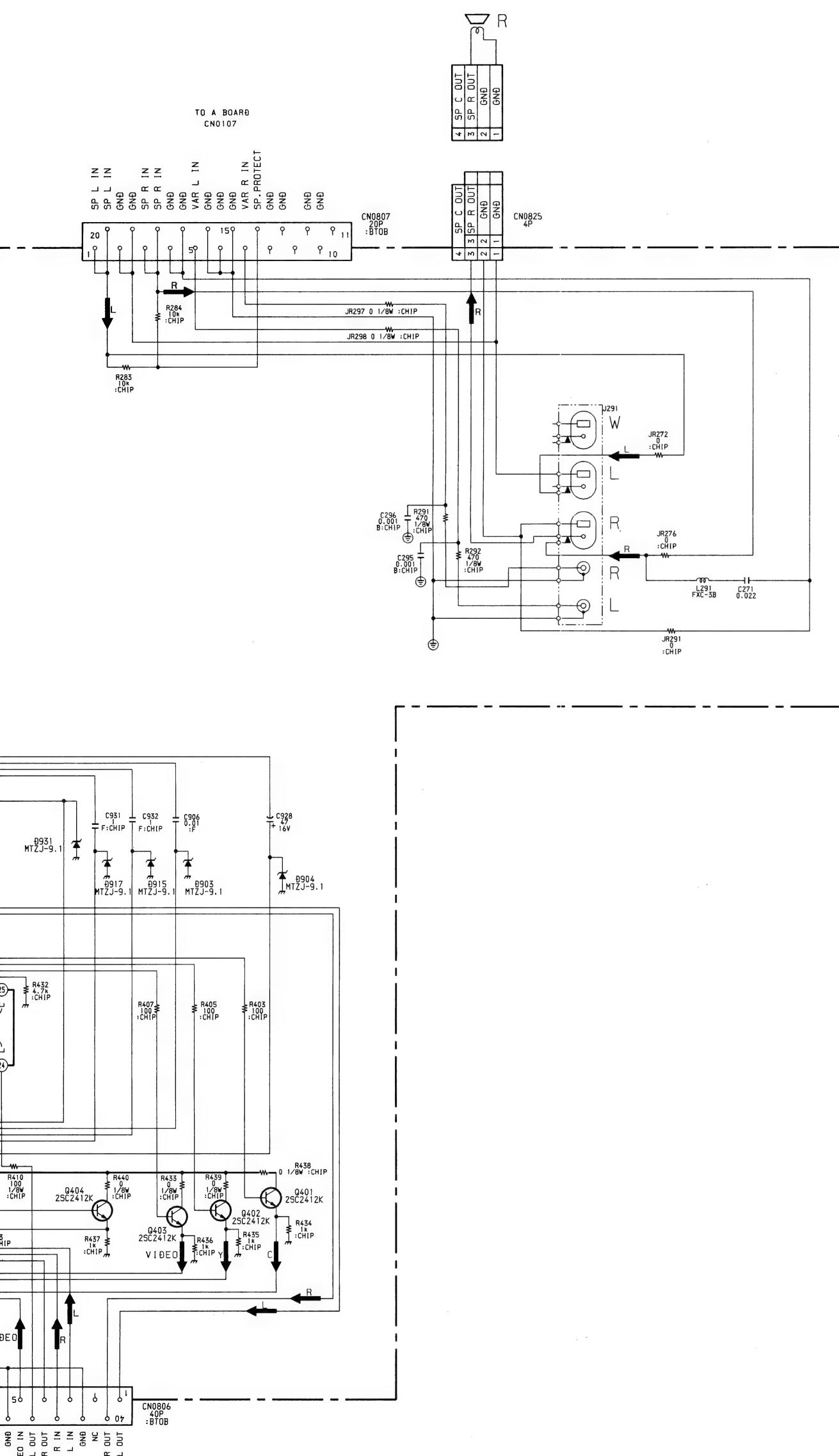
L

M

N

O

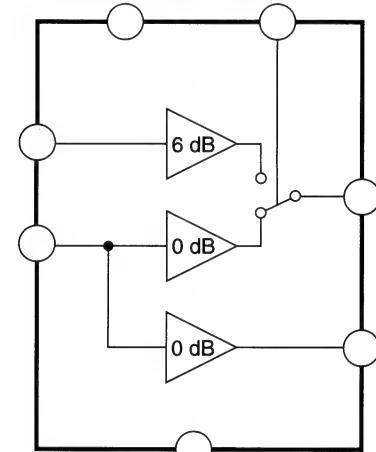


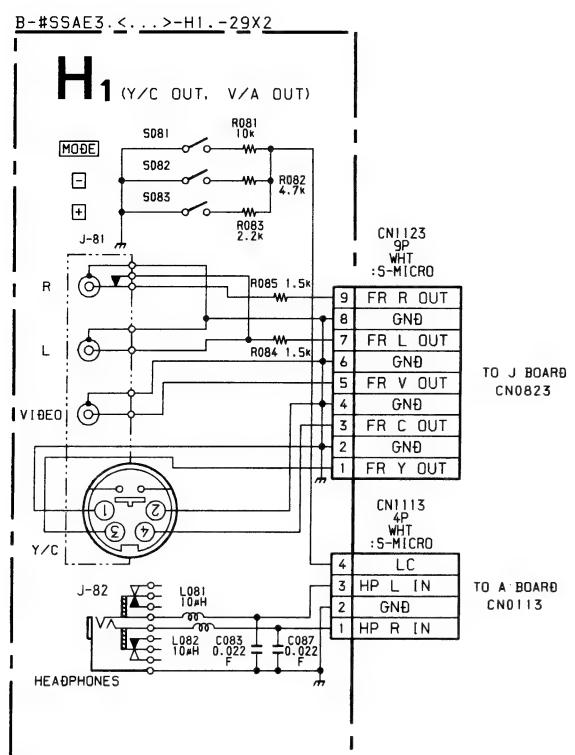


| Ref.No. | Pin No. | Voltage (V) |
|---------|---------|-------------|
| IC401 | 1-5 | 4.5 |
| | 7-11 | 4.5 |
| | 13-17 | 4.5 |
| | 19-20 | 4.0 |
| | 22-33 | 4.5 |
| | 35 | 5.5 |
| | 37 | 5.5 |
| | 38-39 | 4.5 |
| | 40-41 | 4.4 |
| | 42 | 4.5 |
| | 43 | 5.4 |
| | 44 | 9.0 |
| | 45 | 5.5 |
| | 46 | 4.7 |
| | 47-48 | 4.5 |
| IC402 | 2 | 1.8 |
| | 3 | 2.5 |
| | 5 | 8.8 |
| | 6 | 1.7 |
| | 7 | 8.8 |
| | 8 | 2.2 |
| | | |

| Pin No. | (B) Base | (C) Collector | (E) Emitter |
|----------|-------------|------------------|----------------|
| Ref.No. | | | |
| Q401 | 5.7 | 9.0 | -C.3 |
| Q402 | 5.5 | 9.0 | 5.0 |
| Q403/404 | 4.4 | 9.0 | 3.9 |

J Board IC402 TEA2114





H1

[Y/C, VIDEO/AUDIO OUT]

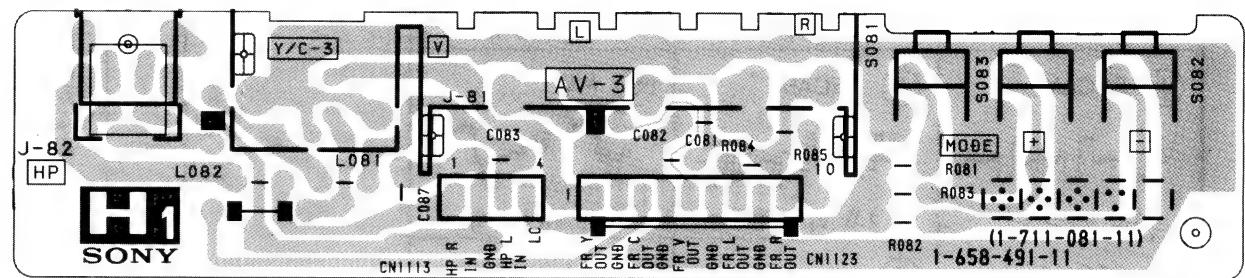
H2

[REMOTE RECEIVER]

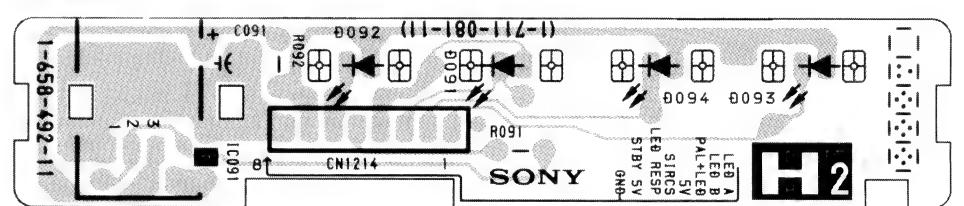
F1

[POWER SWITCH]

H1 Board



H2 Board



B-#SSAE3. <...>-F1.-28WS3

F1 (POWER SWITCH) 5651 POWER

1 AC OUT
2 AC OUT

CN0622
2P GRY : VT

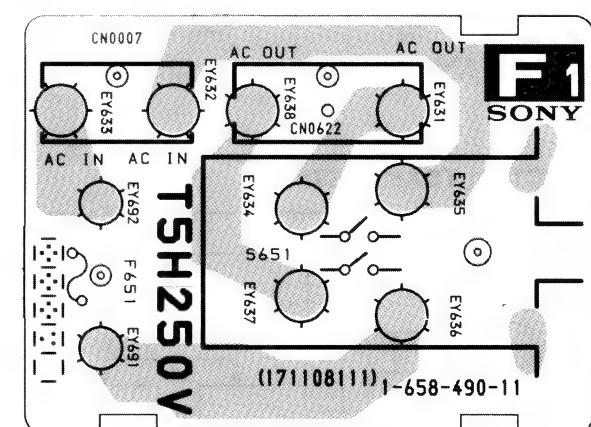
45V 480V HBC

TO G BOARD
CN0722

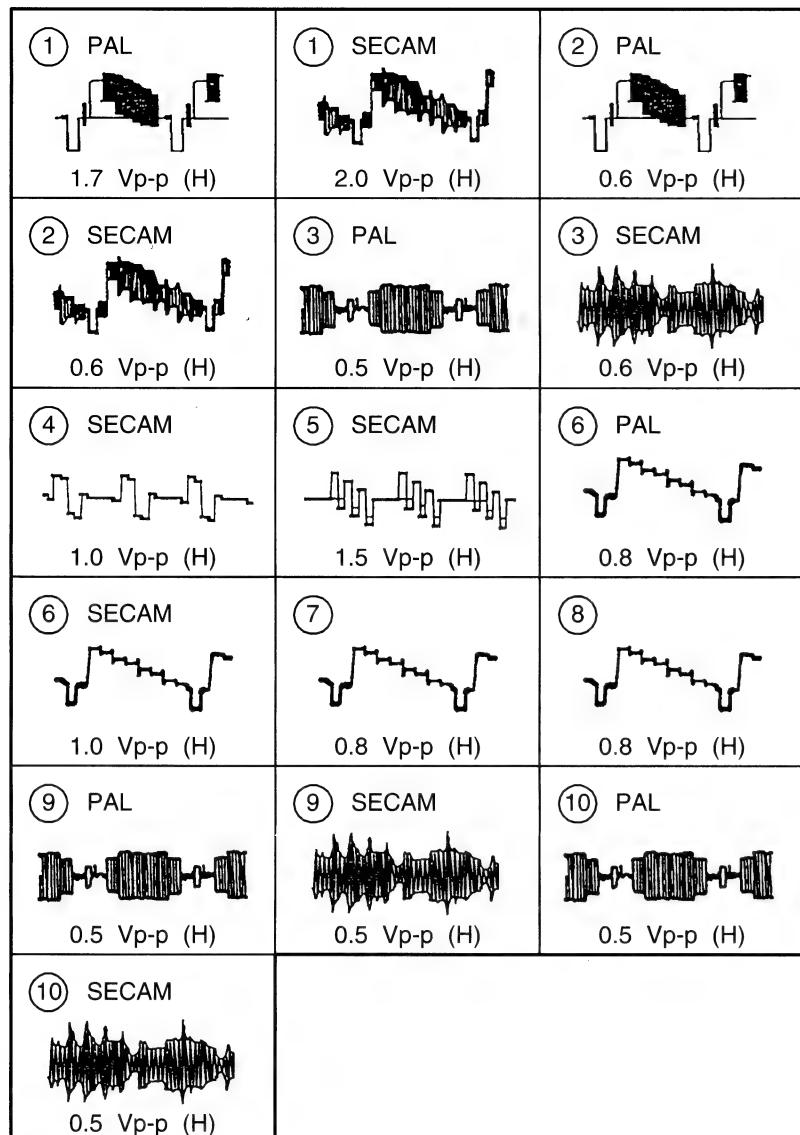
CN0007
2P GRY

AC IN
AC IN

F1 Board



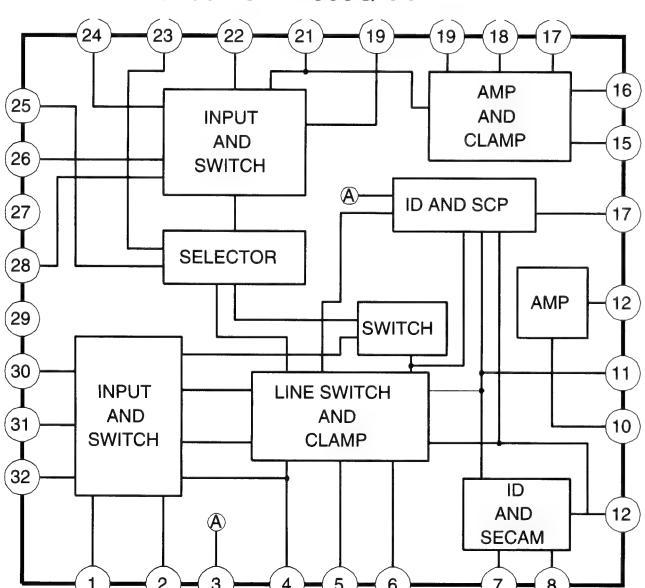
WAVEFORMS B3 BOARD



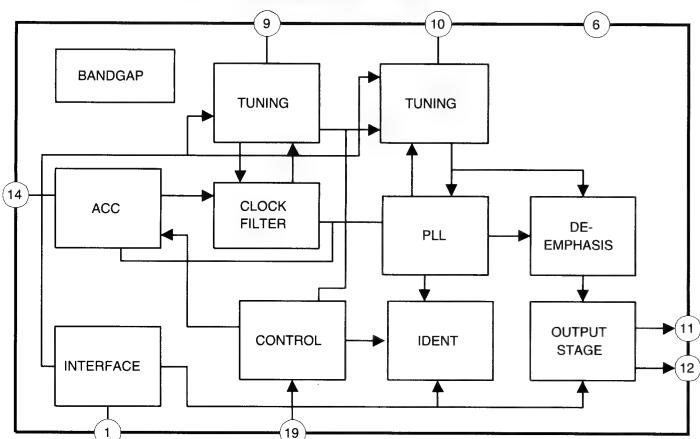
| Ref.No. | Pin No. | Voltage (V) | Ref.No. | Pin No. | Voltage (V) |
|---------|---------|-------------|---------|---------|-------------|
| IC01 | 27 | 1.2 | IC06 | 4 | 1.3 |
| | 28-29 | 1.5 | | 10 | 0 |
| | 32 | 1.1 | | 17 | 1.0 |
| | 34-35 | 1.9 | | 21 | 1.2 |
| | 37 | 0.3 | | 22 | 4.8 |
| | 39 | 1.1 | | 42 | 1.3 |
| | 41 | 1.1 | | 11 | 1.6 |
| | 42 | 3.0 | | 33-35 | 4.8 |
| | 43-48 | 4.8 | | 39 | 4.8 |
| | 6 | 3.1 | | 41 | 4.8 |
| IC02 | 7 | 1.3 | IC07 | 51 | 1.4 |
| | 9-10 | 4.2 | | 53 | 4.8 |
| | 11-12 | 3.0 | | 54 | 1.0 |
| | 13 | 1.6 | | 64 | 4.8 |
| | 15 | 0.1 | | 71 | 0.7 |
| | 16 | 1.6 | | 73 | 4.8 |
| | 17 | 1.7 | | 18 | 1.6 |
| | 21-22 | 0 | | 24 | 3.1 |
| | 66 | 3.1 | | 66 | 3.1 |
| | 79-82 | 0 | | 79-82 | 0 |
| | 83 | 3.0 | | 83 | 3.0 |
| | 84-87 | 0 | | 84-87 | 0 |
| | 88 | 0.7 | | 88 | 0.7 |
| | 89-91 | 3.0 | | 89-91 | 3.0 |
| | 92-93 | 0 | | 92-93 | 0 |
| IC04 | 132 | 0 | | 132 | 0 |
| | 144 | 3.1 | | 144 | 3.1 |
| | 156 | 1.5 | | 156 | 1.5 |
| | 157 | 3.1 | | 157 | 3.1 |
| | 158-159 | 0 | | 158-159 | 0 |
| | 160 | 0.1 | | 160 | 0.1 |
| | 164 | 3.1 | | 164 | 3.1 |
| | 172 | 3.1 | | 172 | 3.1 |
| | 175 | 1.5 | | 175 | 1.5 |
| | 1 | 4.8 | IC05 | 1 | 4.8 |
| IC05 | 6 | 1.2 | | 6 | 1.4 |
| | 8-9 | 0 | | 38 | 1.0 |
| | 11 | 0 | | 39 | 1.4 |
| | 38 | 0.7 | | 41 | 4.8 |
| | 39 | 1.3 | | 56 | 1.5 |
| | 41 | 4.8 | | 62 | 4.8 |
| | 56 | 1.5 | | 72 | 4.8 |
| | 62 | 4.8 | | 72 | 4.8 |

| Pin No. | (B) Base | (C) Collector |
|---------|-------------|------------------|
| Q01 | 0.8 | 0 |
| Q02/03 | 1.6 | 0 |
| Q04 | 0.3 | 0 |
| Q05/06 | 1.1 | 0 |

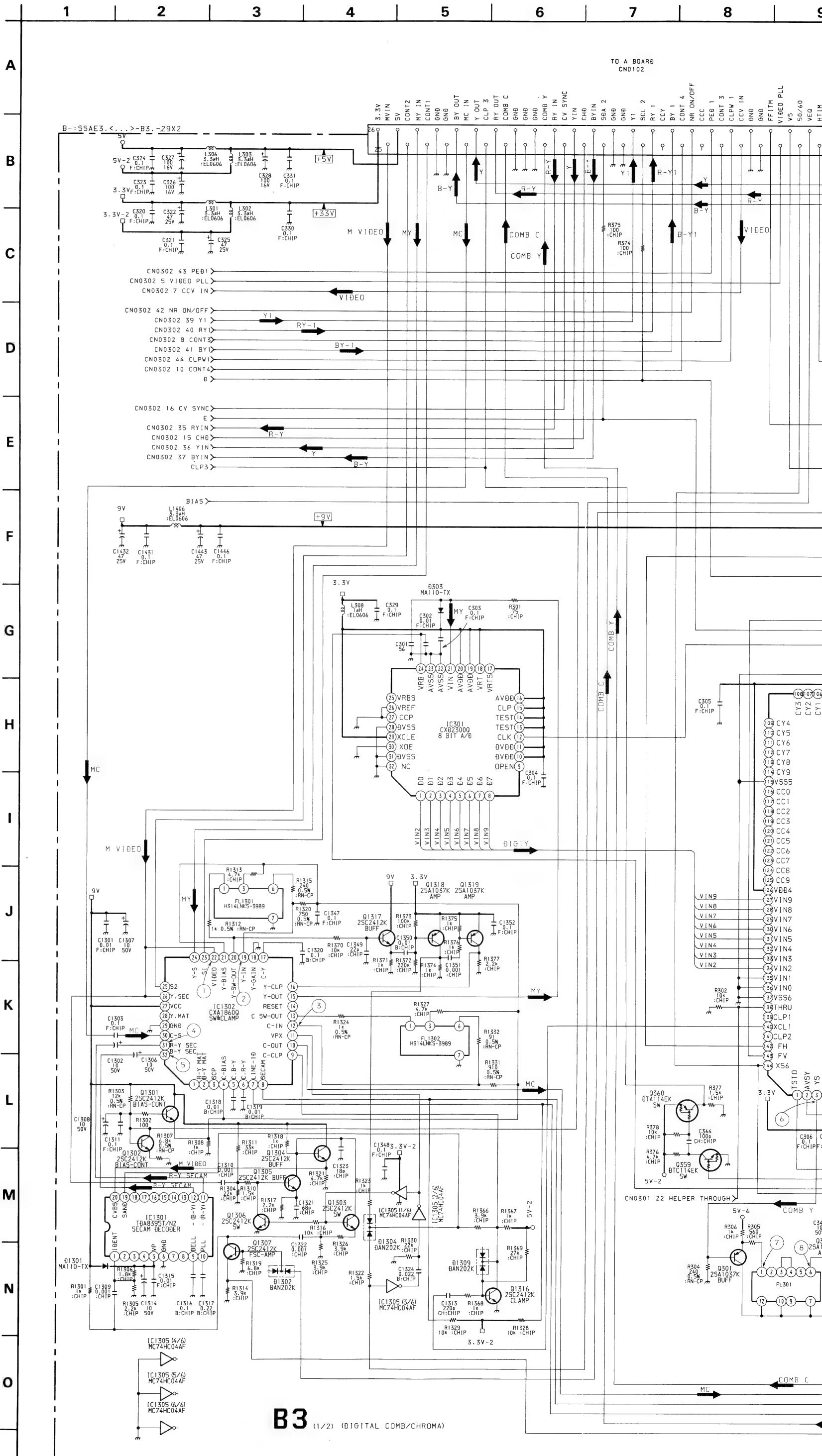
B3 Board IC1302 CXA1860Q-T4

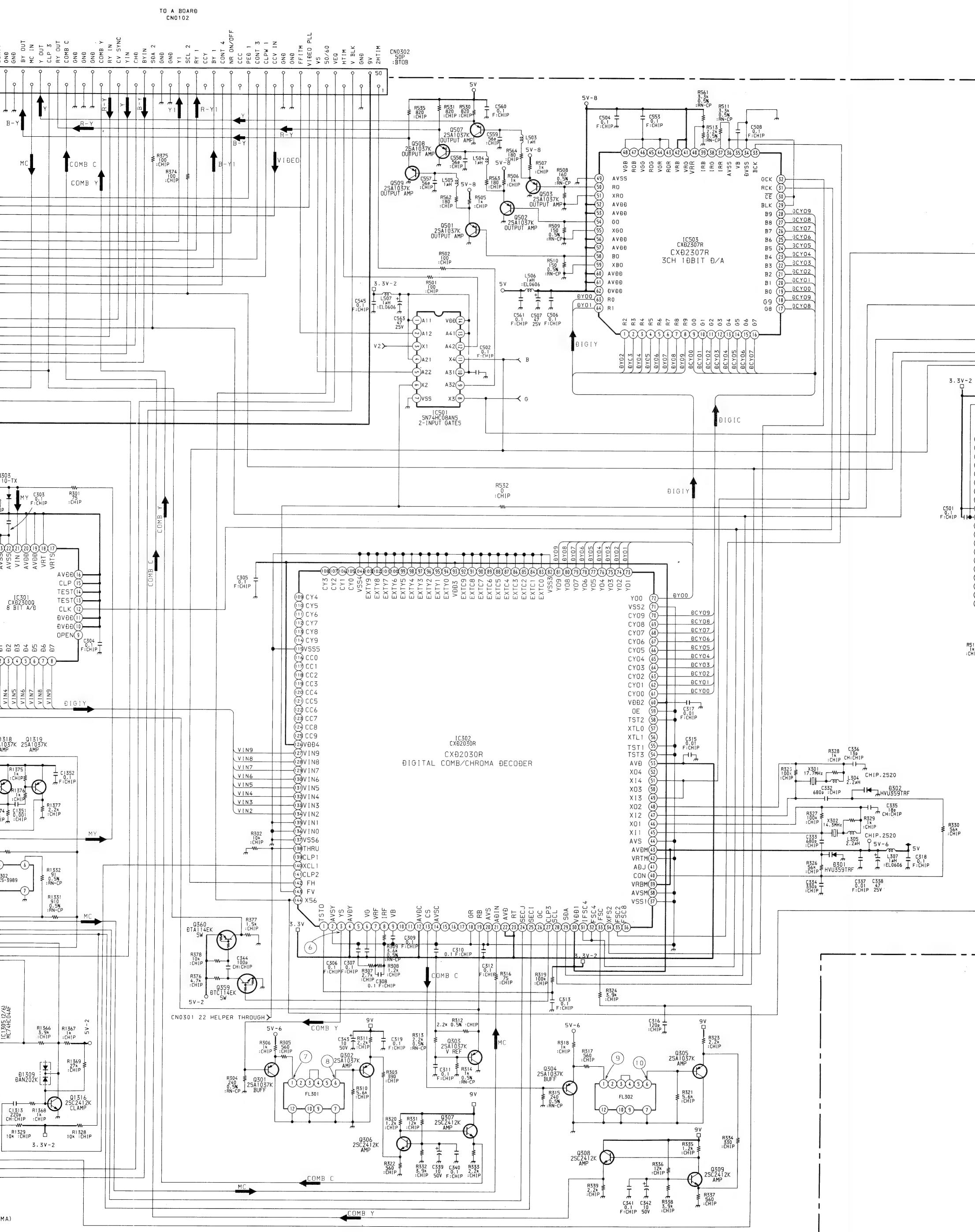


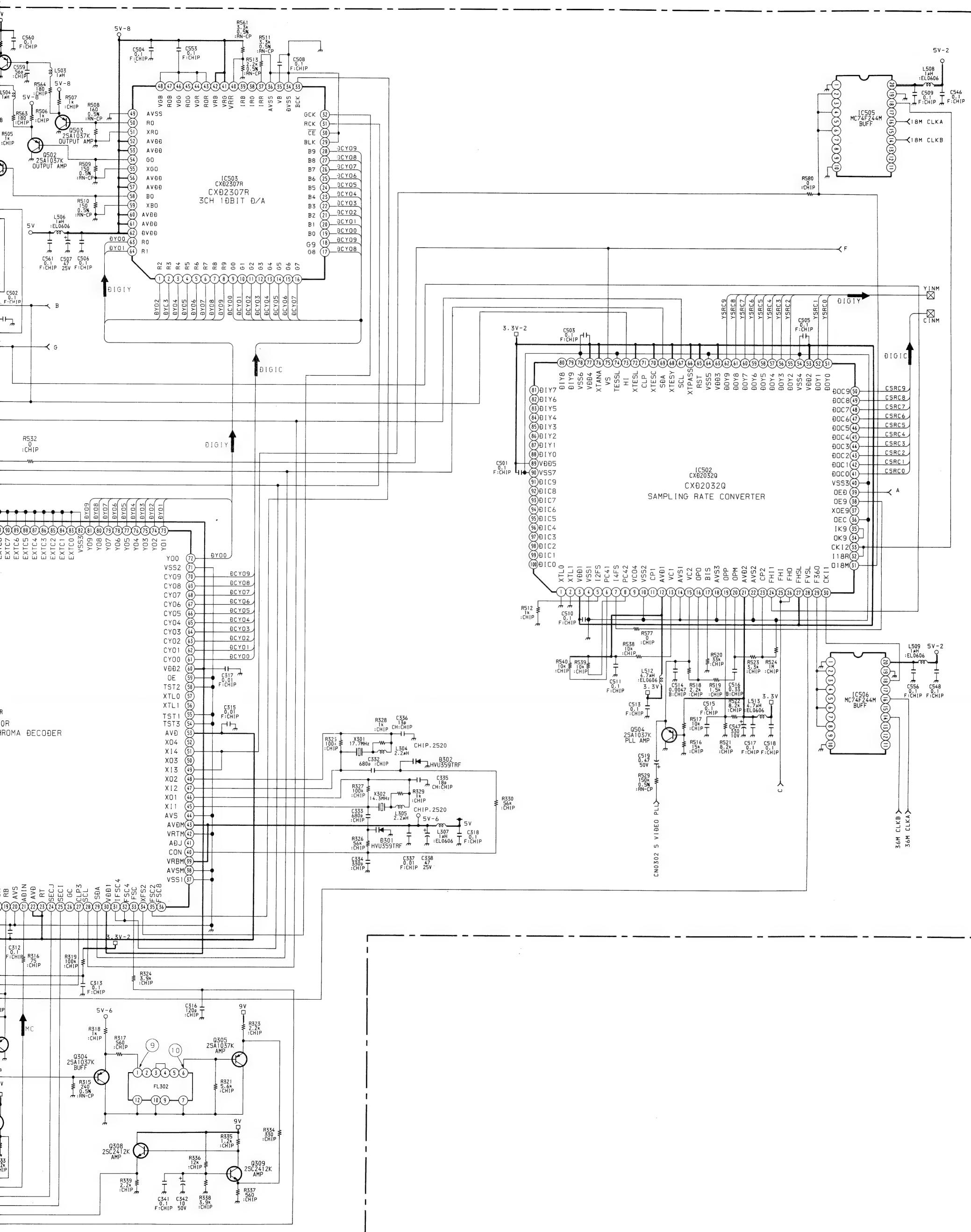
B3 Board IC1301 TDA8395ST/N2

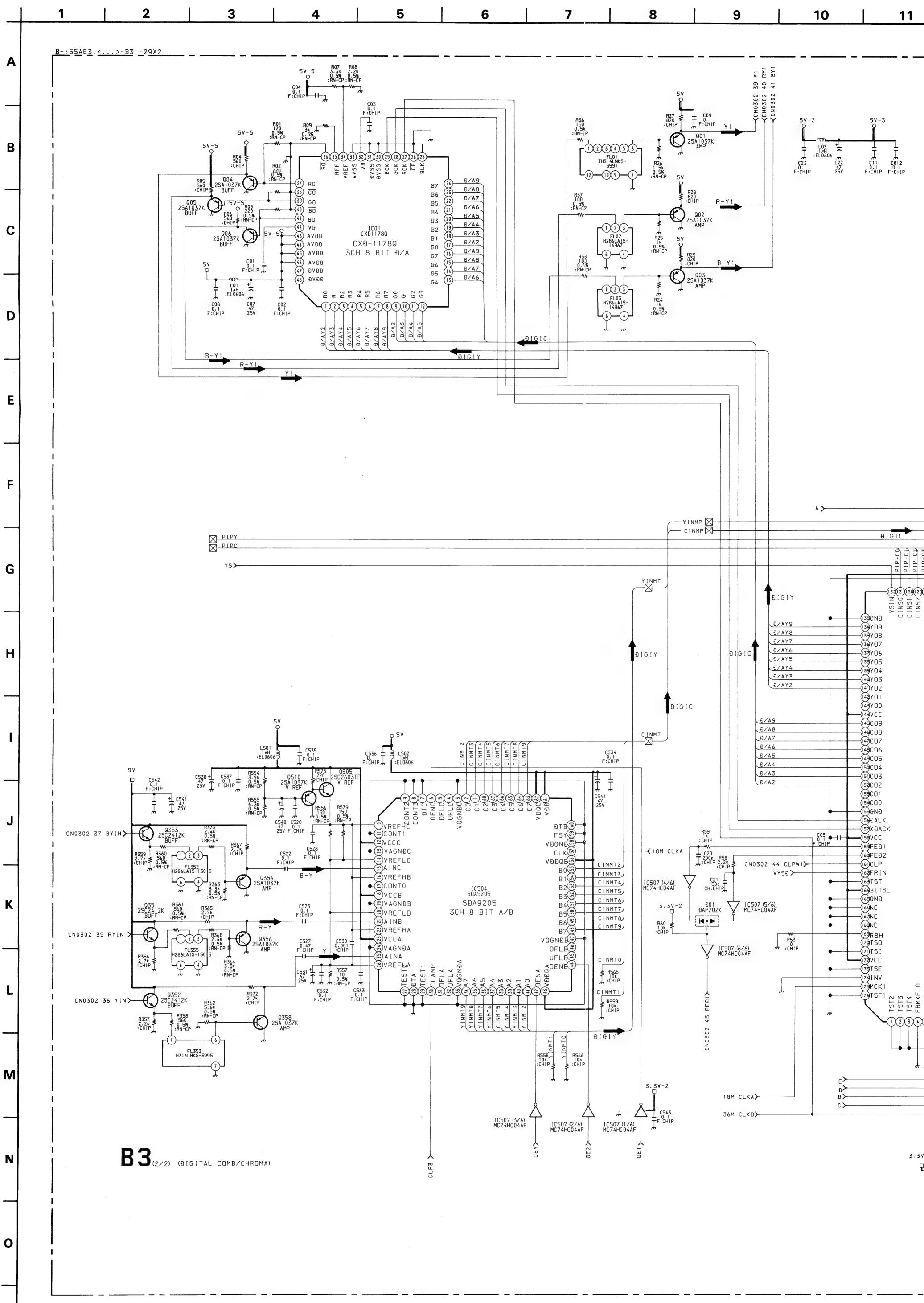


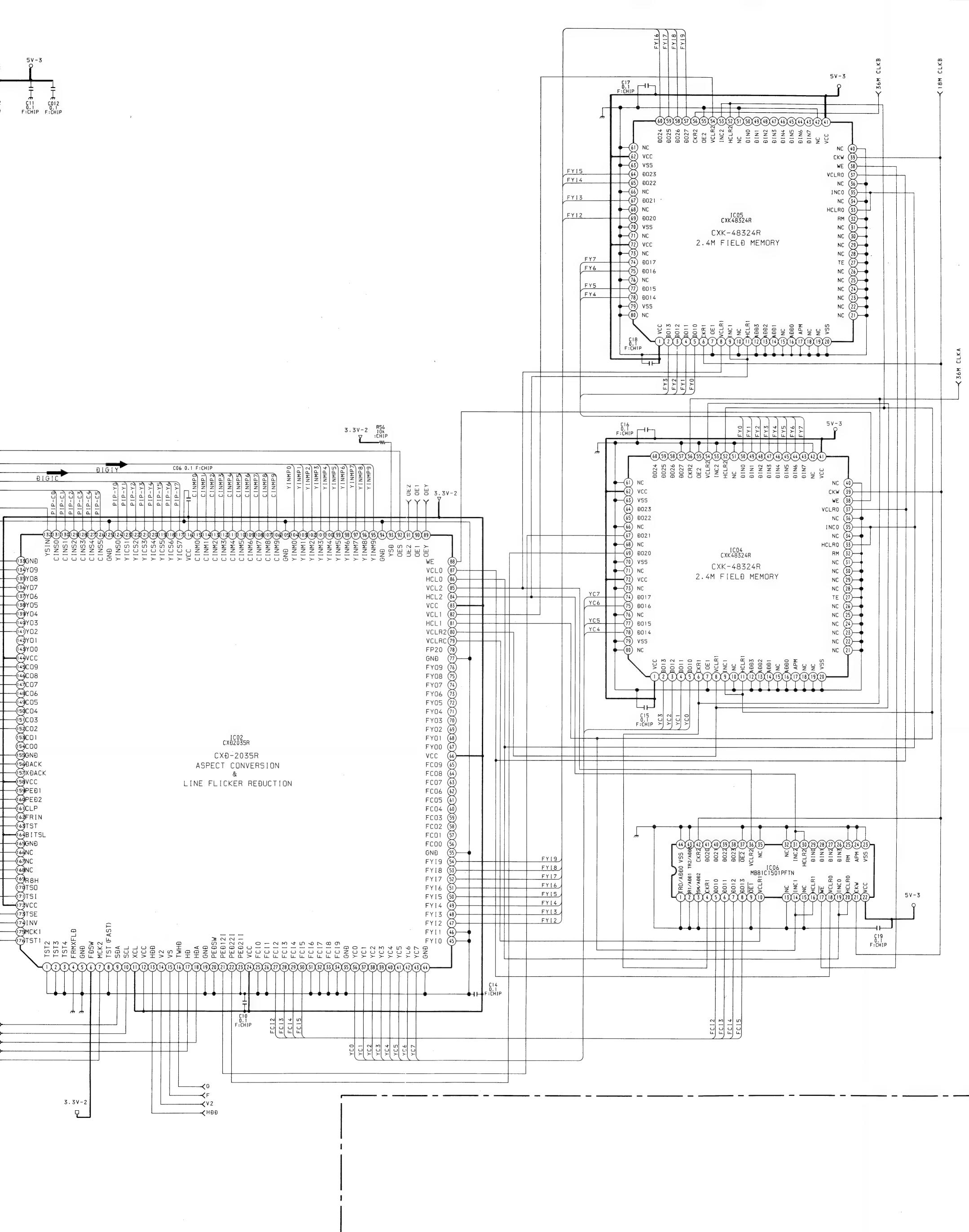
| Ref.No. | Pin No. | Voltage (V) | Ref.No. | Pin No. | Voltage (V) | Ref.No. | Pin No. | Voltage (V) |
|---------|---------|-------------|---------|---------|-------------|---------|----------------------------------------|-------------|
| IC301 | 10-11 | 3.2 | IC503 | 53 | 3.1 | IC1505 | 10 | 2.4 |
| | 12 | 1.1 | | 63 | 3.1 | | 11 | 3.0 |
| | 13-16 | 3.2 | | 65-66 | 3.1 | | 12-13 | 2.8 |
| | 18-20 | 3.2 | | 67 | 4.2 | | 15 | 2.3 |
| | 21 | 2.3 | | 68 | 3.1 | | 16 | 0.1 |
| | 24 | 1.7 | | 69 | 4.1 | | 17 | 3.0 |
| | 29 | 3.2 | | 70 | 3.1 | | 19-21 | 2.8 |
| | 1 | 3.0 | | 72 | 3.1 | | 22 | 3.6 |
| | 3 | 0.4 | | 73 | 1.6 | | 24 | 3.6 |
| | 4 | 3.2 | | 75 | 0.1 | | 26 | 3.6 |
| IC302 | 6 | 1.4 | | 76-77 | 3.1 | | 27 | 8.8 |
| | 7-8 | 1.0 | | 89 | 3.1 | | 30 | 4.2 |
| | 9 | 0.4 | | 31-33 | 1.2 | | 31-32 | 4.0 |
| | 12 | 3.2 | | 35 | 1.2 | | All Voltages are indicated in Volts DC | |
| | 13 | 0.5 | | 37 | 1.9 | | | |
| | 21 | 2.4 | | 40 | 2.0 | | | |
| | 22-23 | 3.2 | | 41-42 | 5.0 | | | |
| | 24 | 0.1 | | 43-44 | 3.0 | | | |
| | 25 | 2.2 | | 46 | 3.0 | | | |
| | 27 | 0.1 | | 48 | 3.0 | | | |
| IC503 | 28-29 | 4.2 | | 50 | 0.6 | | | |
| | 30 | 3.0 | | 52-53 | 4.8 | | | |
| | 31-35 | 1.2 | | 54 | 0.6 | | | |
| | 39 | 4.8 | | 56 | 4.8 | | | |
| | 40 | 2.6 | | 58 | 0.6 | | | |
| | 43 | 4.8 | | 60-61 | 4.8 | | | |
| | 45 | 3.1 | | 62 | 1.4 | | | |
| | 46 | 3.1 | | 64 | 1.2 | | | |
| | 47-48 | 1.6 | | 66 | 1.2 | | | |
| | 49 | 1.2 | | 68 | 1.2 | | | |
| IC505 | 51 | 1.2 | | 70 | 4.8 | | | |
| | 53 | 3.2 | | 72 | 3.1 | | | |
| | 60 | 3.1 | | 73 | 1.6 | | | |
| | 93 | 3.1 | | 75 | 0.1 | | | |
| | 1 | 4.4 | | 76 | 3.1 | | | |
| | 5 | 8.0 | | 77 | 1.0 | | | |
| | 6 | 1.0 | | 78 | 1.0 | | | |
| | 7-9 | 1.0 | | 79 | 1.3 | | | |
| | 11 | 1.5 | | 80 | 1.4 | | | |
| | 12 | 3.2 | | 81 | 1.4 | | | |
| IC502 | 13 | 1.5 | | 82 | 1.4 | | | |
| | 15 | 1.8 | | 83 | 1.4 | | | |
| | 16 | 1.8 | | 84 | 1.4 | | | |
| | 17 | 1.2 | | 85 | 1.4 | | | |
| | 19-20 | 1.6 | | 86 | 1.4 | | | |
| | 21 | 3.2 | | 87 | 1.4 | | | |
| | 23-25 | 1.6 | | 88 | 1.4 | | | |
| | 26 | 1.7 | | 89 | 1.4 | | | |
| | 27 | 3.1 | | 90 | 1.4 | | | |
| | 28 | 0.3 | | 91 | 1.4 | | | |
| IC1506 | 29 | 1.1 | | 92 | 1.4 | | | |
| | 30 | 1.6 | | 93 | 4.2 | | | |
| | 31 | 1.2 | | 94 | 4.2 | | | |





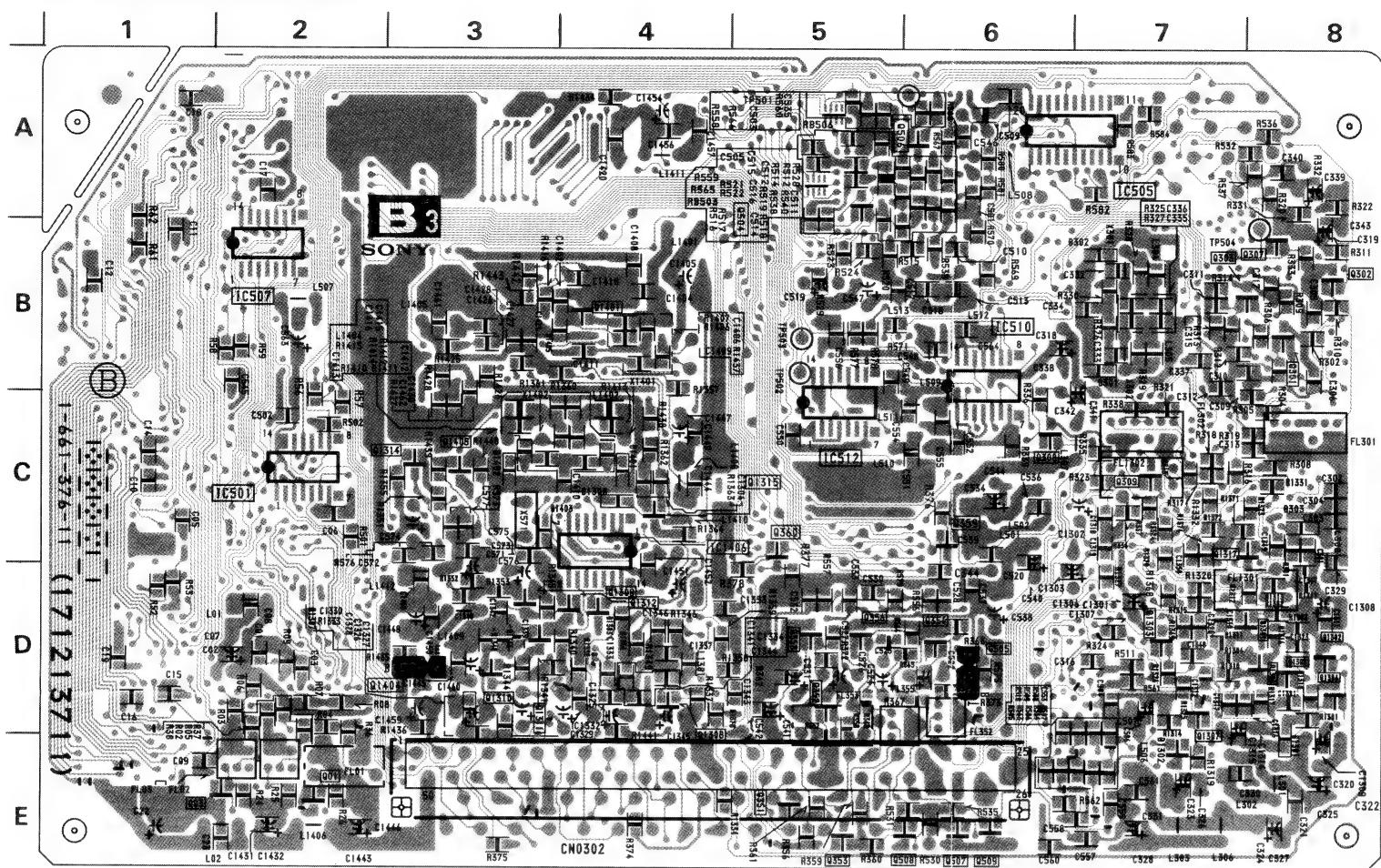




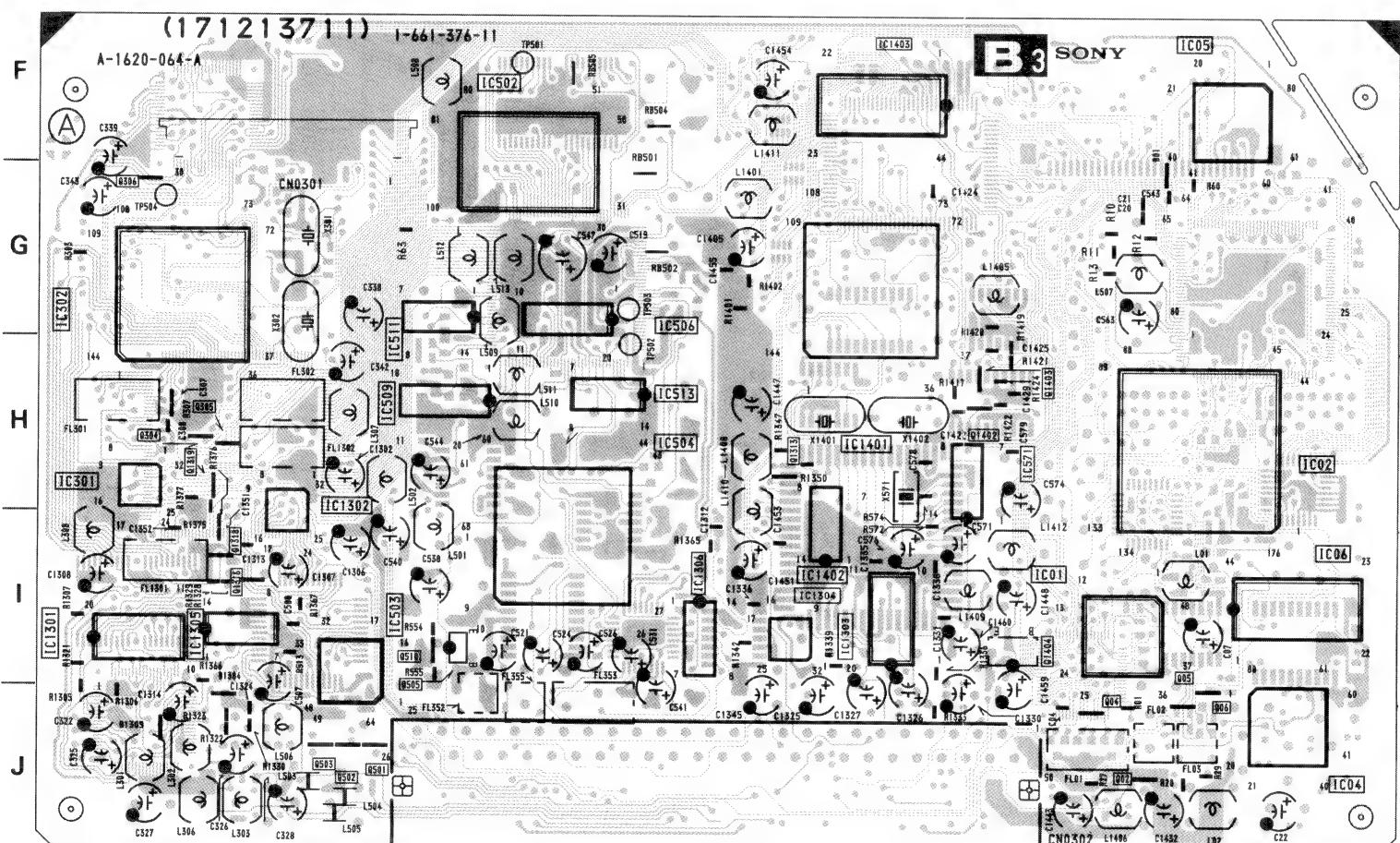


B3

[DIGITAL COMB/CHROMA]

B3 Board <Conductor Side>**B3 BOARD**

| IC | |
|------------|-----|
| IC01 | I-6 |
| IC02 | H-8 |
| IC04 | J-8 |
| IC05 | F-7 |
| IC06 | I-8 |
| IC301 | H-1 |
| IC302 | G-1 |
| IC501 | C-2 |
| IC502 | F-3 |
| IC503 | I-3 |
| IC504 | H-4 |
| IC505 | A-7 |
| Q501 | J-2 |
| Q502 | J-2 |
| Q503 | J-2 |
| Q504 | A-5 |
| Q505 | D-6 |
| Q506 | A-5 |
| Q507 | E-6 |
| Q508 | E-6 |
| Q509 | E-6 |
| Q510 | I-3 |
| Q511 | I-3 |
| Q512 | D-8 |
| Q513 | D-7 |
| Q514 | D-8 |
| Q515 | D-8 |
| Q516 | D-8 |
| Q517 | D-7 |
| Q518 | I-2 |
| Q519 | C-7 |
| Q520 | I-2 |
| Q521 | H-1 |
| TRANSISTOR | |
| Q01 | E-2 |
| Q02 | J-7 |
| Q03 | E-1 |
| Q04 | I-7 |
| Q05 | I-7 |
| Q06 | I-7 |
| Q07 | B-8 |
| Q301 | B-8 |
| Q302 | B-8 |
| Q303 | B-7 |
| Q304 | H-1 |
| Q305 | H-1 |
| Q306 | G-1 |
| Q307 | B-8 |
| Q308 | C-6 |
| Q309 | C-7 |
| Q310 | E-5 |
| Q311 | D-5 |
| Q312 | E-5 |
| Q313 | D-6 |
| Q314 | D-6 |
| DIODE | |
| D01 | F-7 |
| D301 | B-7 |
| D302 | B-7 |
| D303 | C-8 |
| D304 | D-8 |
| D1301 | D-7 |
| D1302 | D-7 |
| D1303 | I-1 |
| D1304 | I-2 |
| D1309 | J-1 |

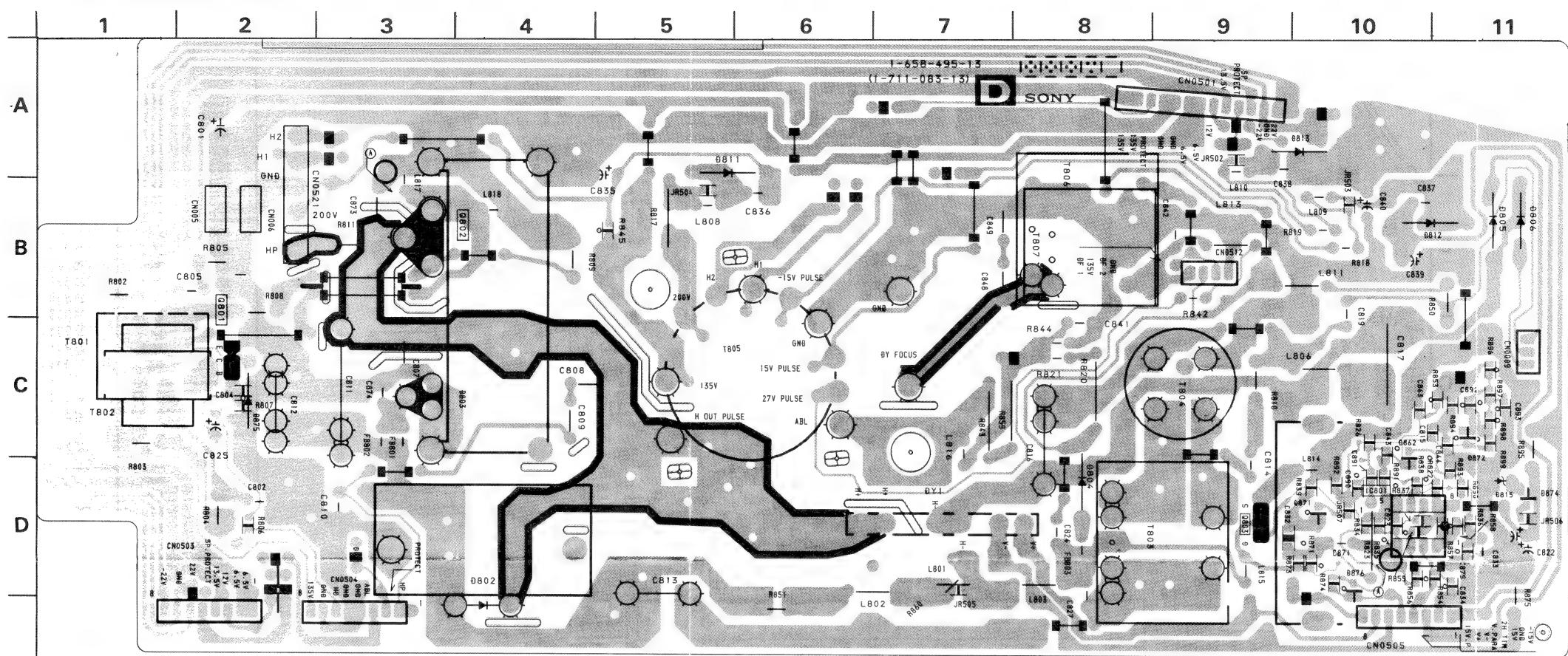
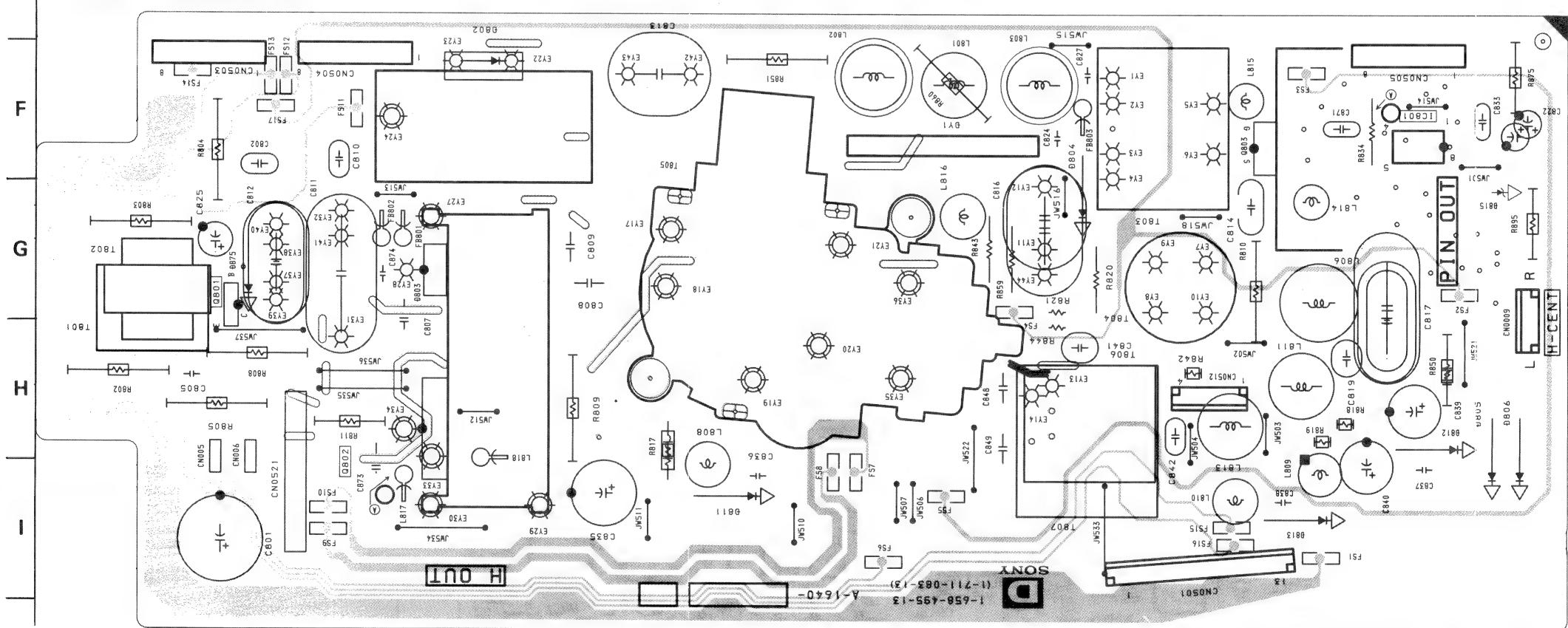
B3 Board <Component Side>

D

[H OUT, PIN CORRECT]

NOTE:

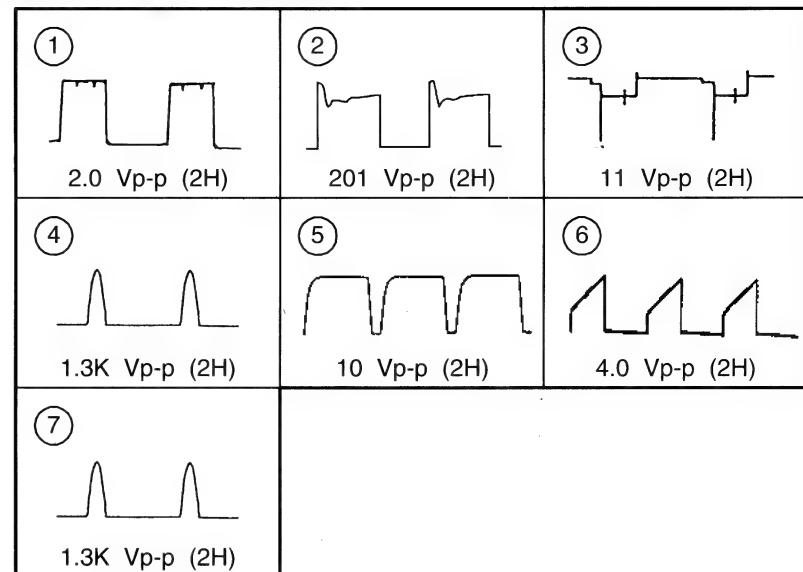
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.

D Board <Conductor Side>**D Board <Component Side>**

11

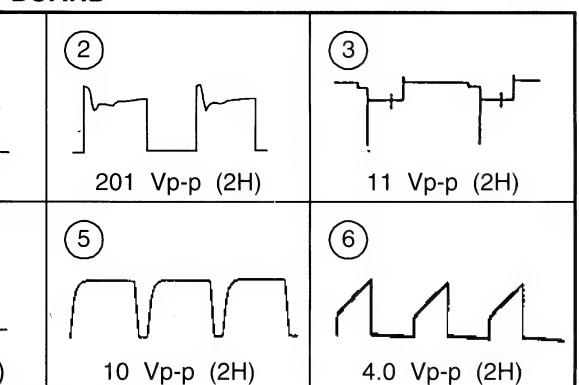
D BOARD

| IC | |
|------------|------|
| IC801 | D-10 |
| TRANSISTOR | |
| Q801 | C-2 |
| Q802 | B-4 |
| Q803 | D-9 |
| DIODE | |
| D802 | E-4 |
| D803 | C-4 |
| D804 | D-8 |
| D805 | B-11 |
| D806 | B-11 |
| D811 | A-5 |
| D812 | B-11 |
| D813 | A-10 |
| D815 | D-11 |
| D872 | D-11 |
| D874 | D-11 |

WAVEFORMS D BOARD

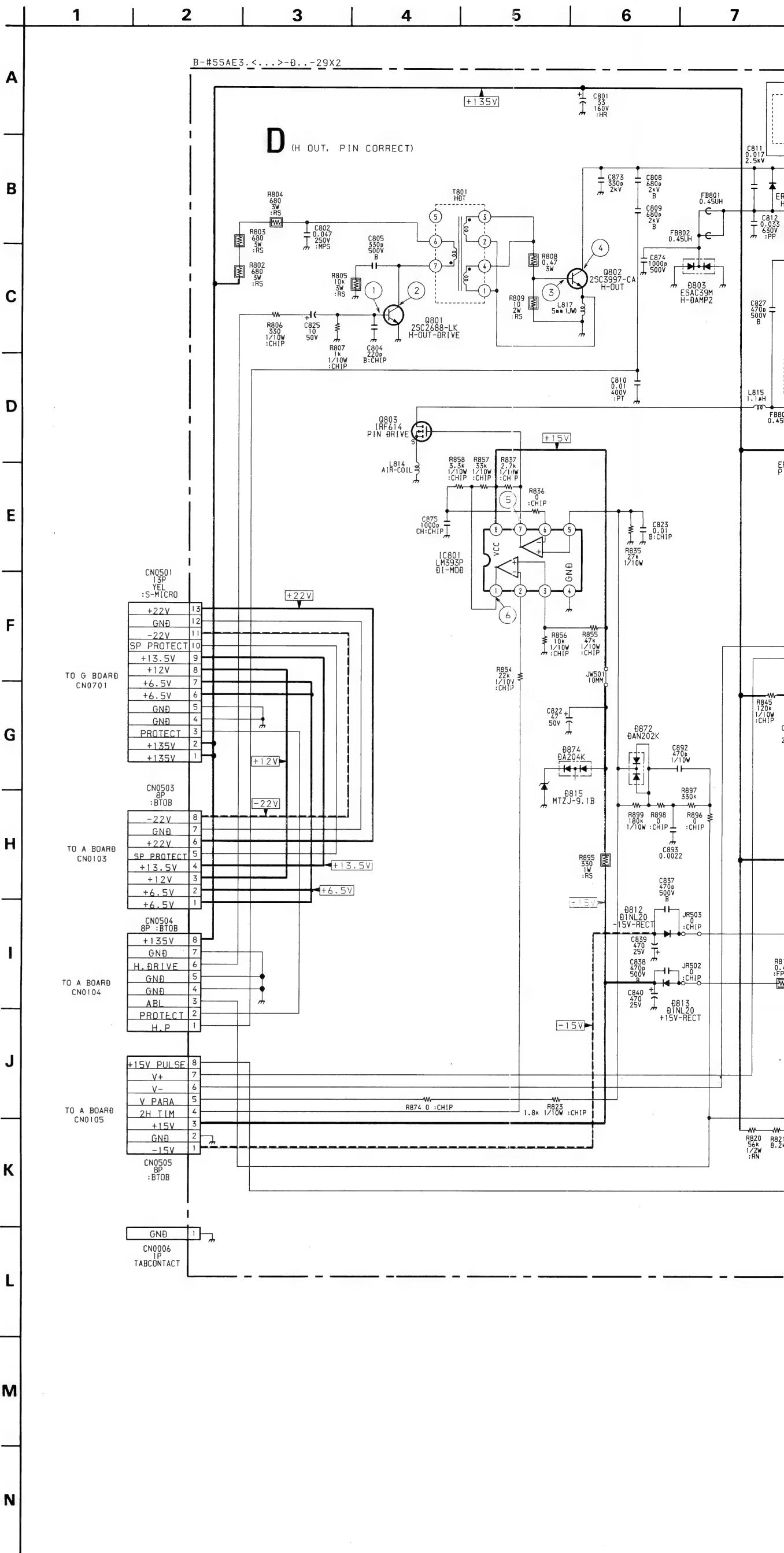
| Ref.No. | Pin No. | Voltage (V) |
|---------|---------|-------------|
| IC801 | 1 | 1.2 |
| | 2 | 1.8 |
| | 3 | 1.6 |
| | 5 | 2.6 |
| | 6 | 1.2 |
| | 7 | 7.5 |
| | 8 | 9.5 |
| | | |

| Ref.No. | Pin No. | (B) Base | (C) Collector | (E) Emitter |
|---------|---------|-------------|------------------|----------------|
| Q801 | -0.5 | 109 | 0 | |
| Q803 | 7.5 | 23.5 | 0 | |

BOARD


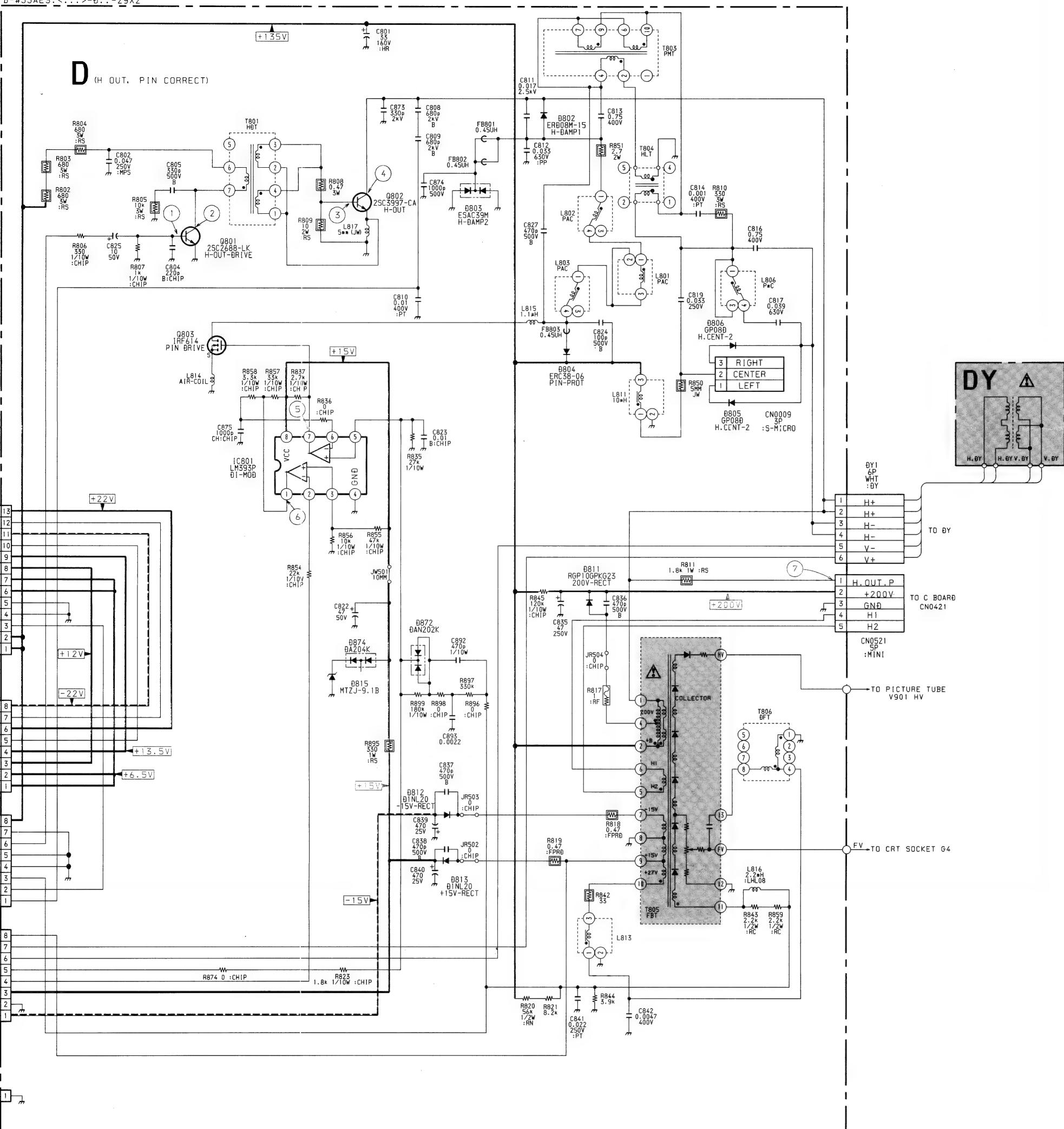
| Voltage (V) |
|-------------|
| 1.2 |
| 1.8 |
| 1.6 |
| 2.6 |
| 1.2 |
| 7.5 |
| 9.5 |

| (C) collector | (E) Emitter |
|---------------|-------------|
| 09 | 0 |
| 3.5 | 0 |



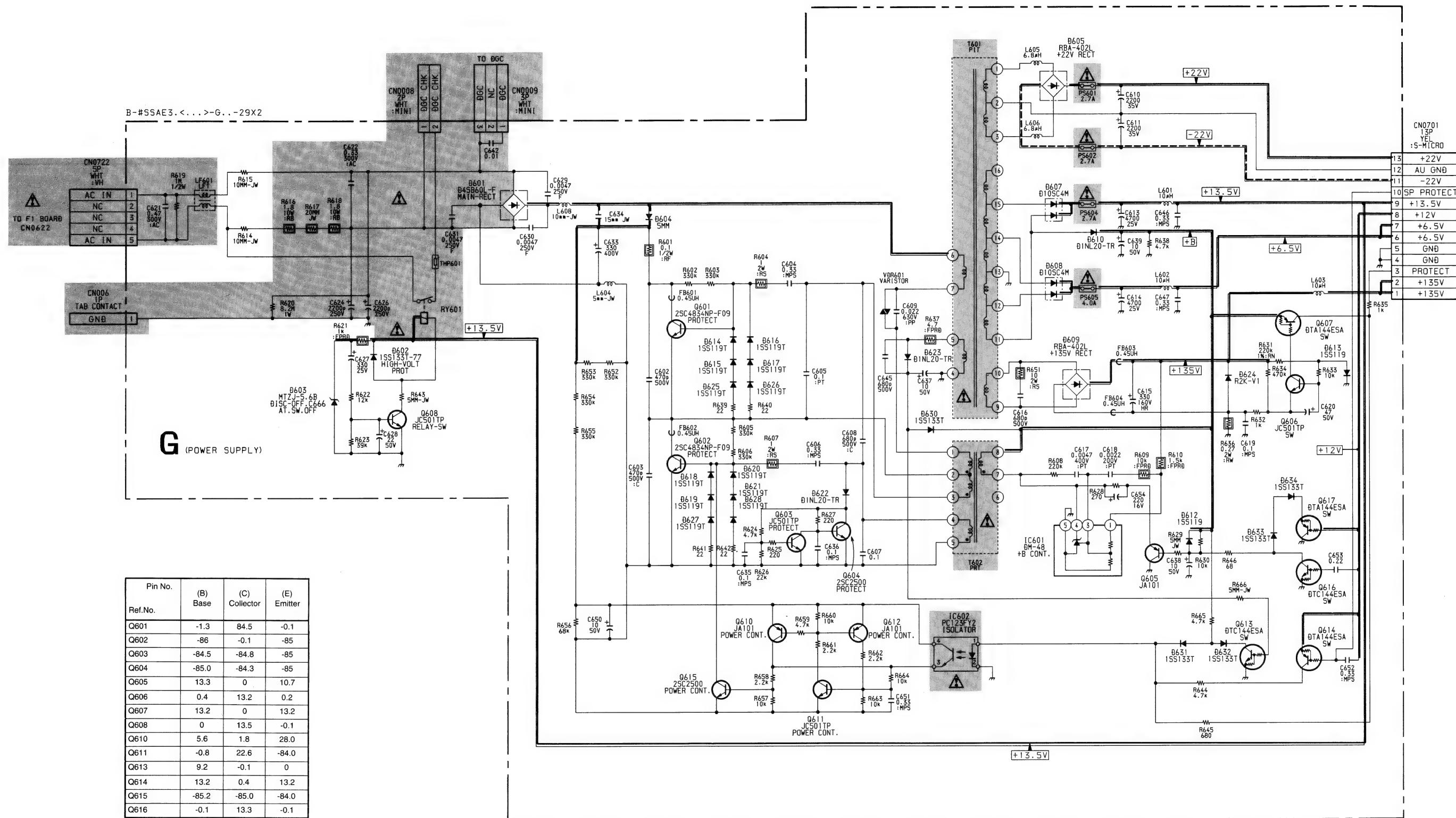
3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12

B-#SSAE3.<...>-0..-29X2



1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15

A

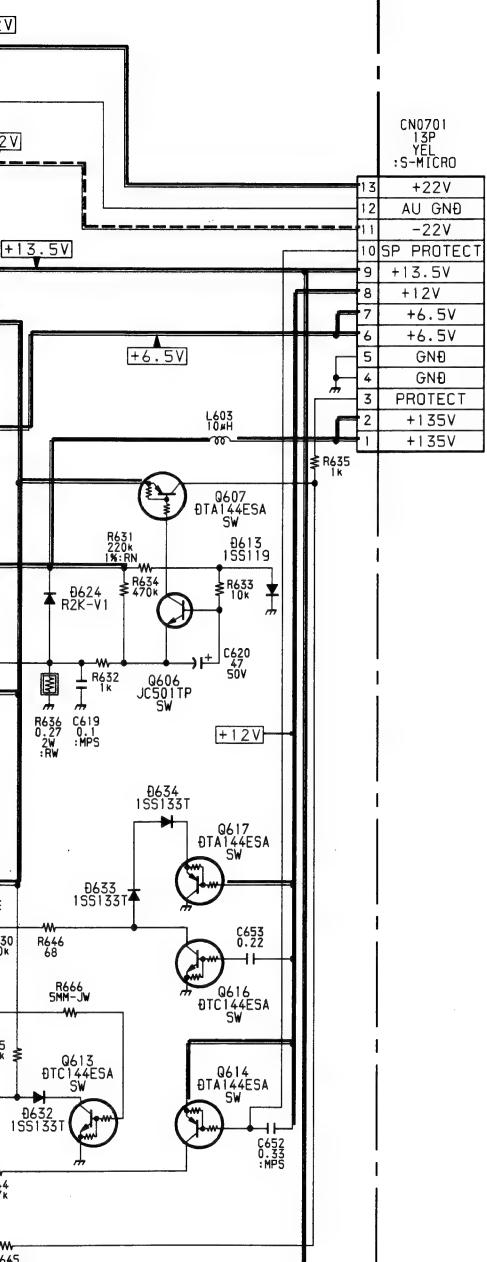


13 14 15

G [POWER SUPPLY]
G Board

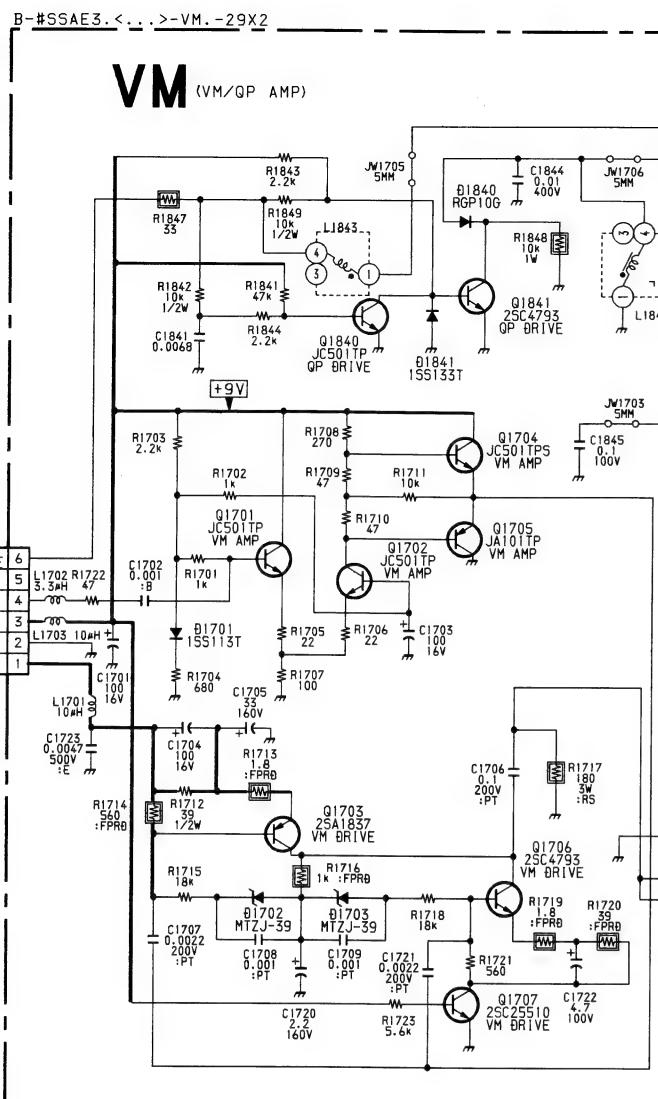
CN0701
3P YEL :S-MICRO
13 +22V
12 AU GND
11 -22V
10 SP PROTECT
9 +13.5V
8 +12V
7 +6.5V
6 +6.5V
5 GND
4 GND
3 PROTECT
2 +135V
1 +135V

TO D BOARD CN0501

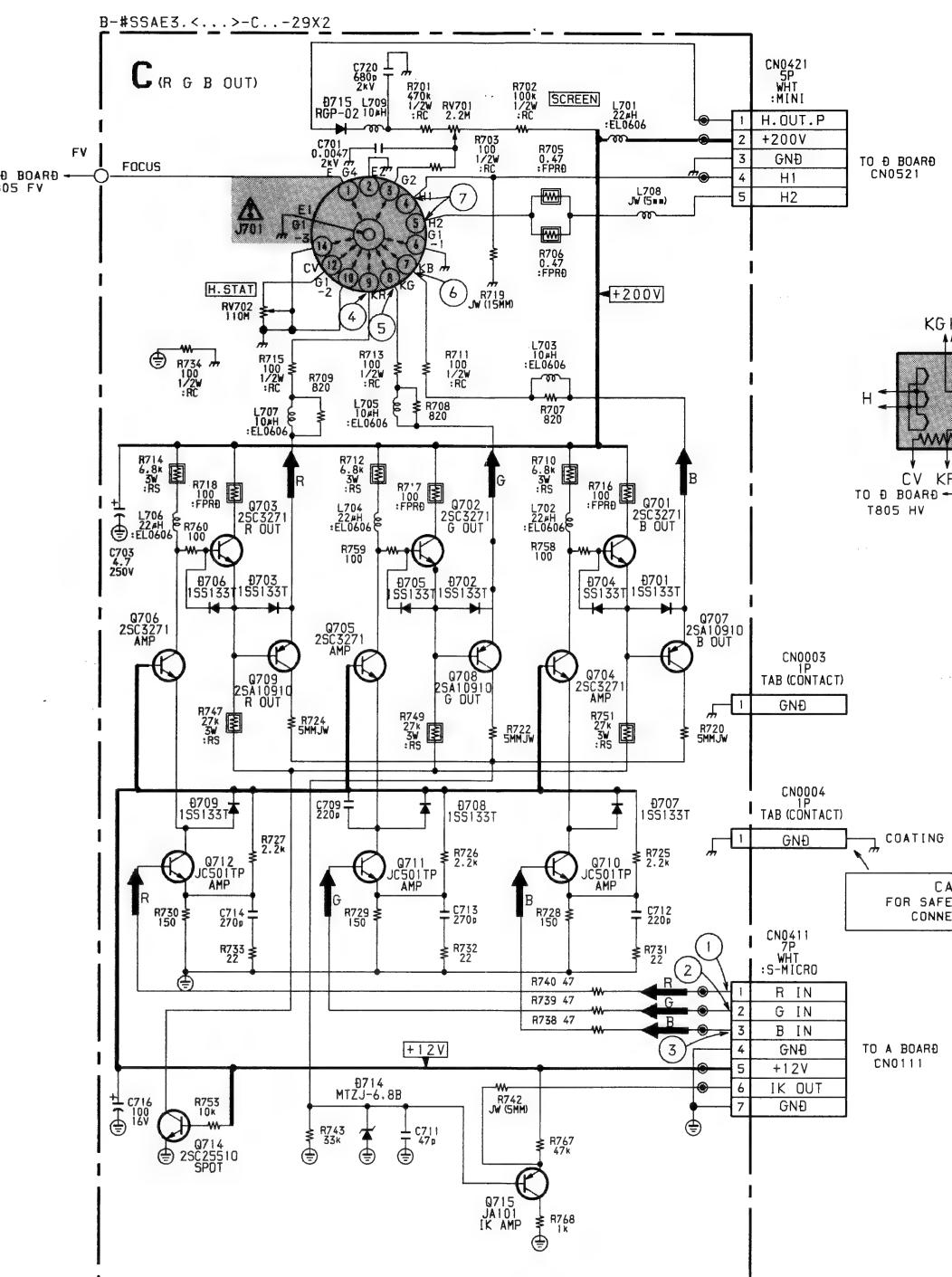
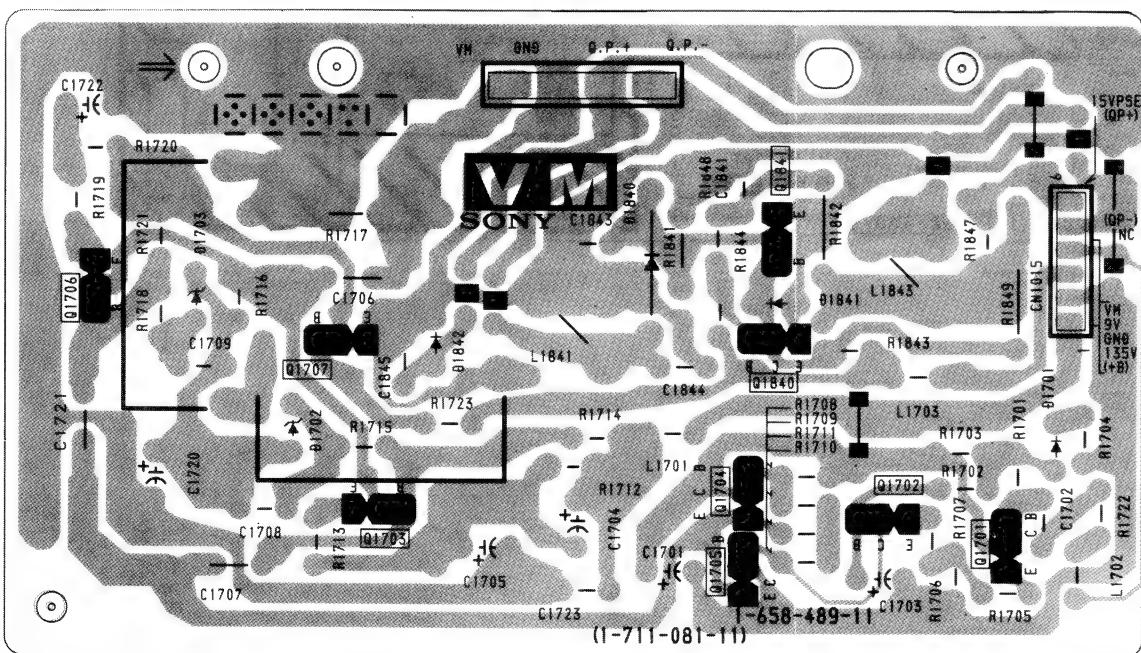


VM

[VM AMP, QP DET]



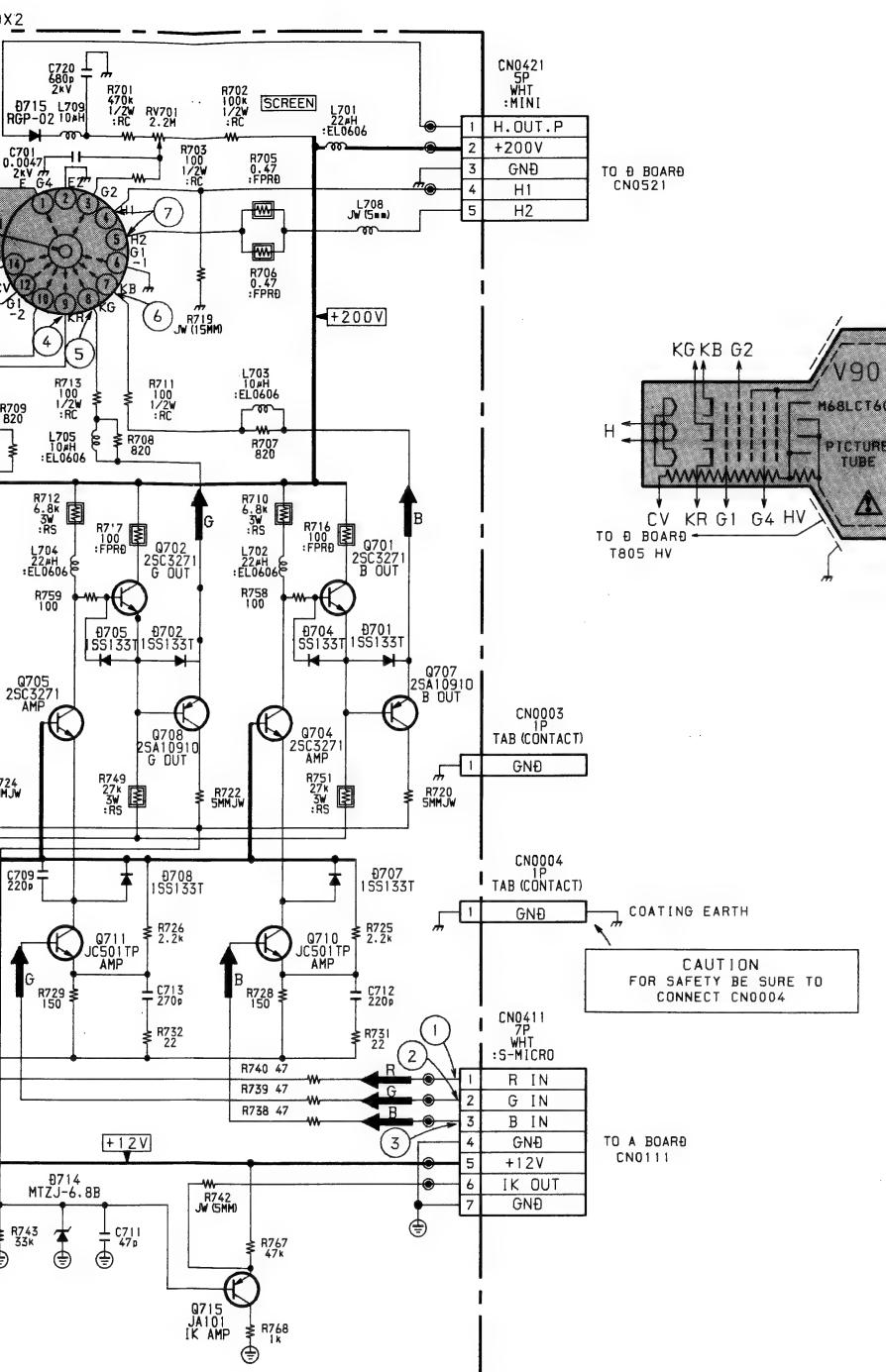
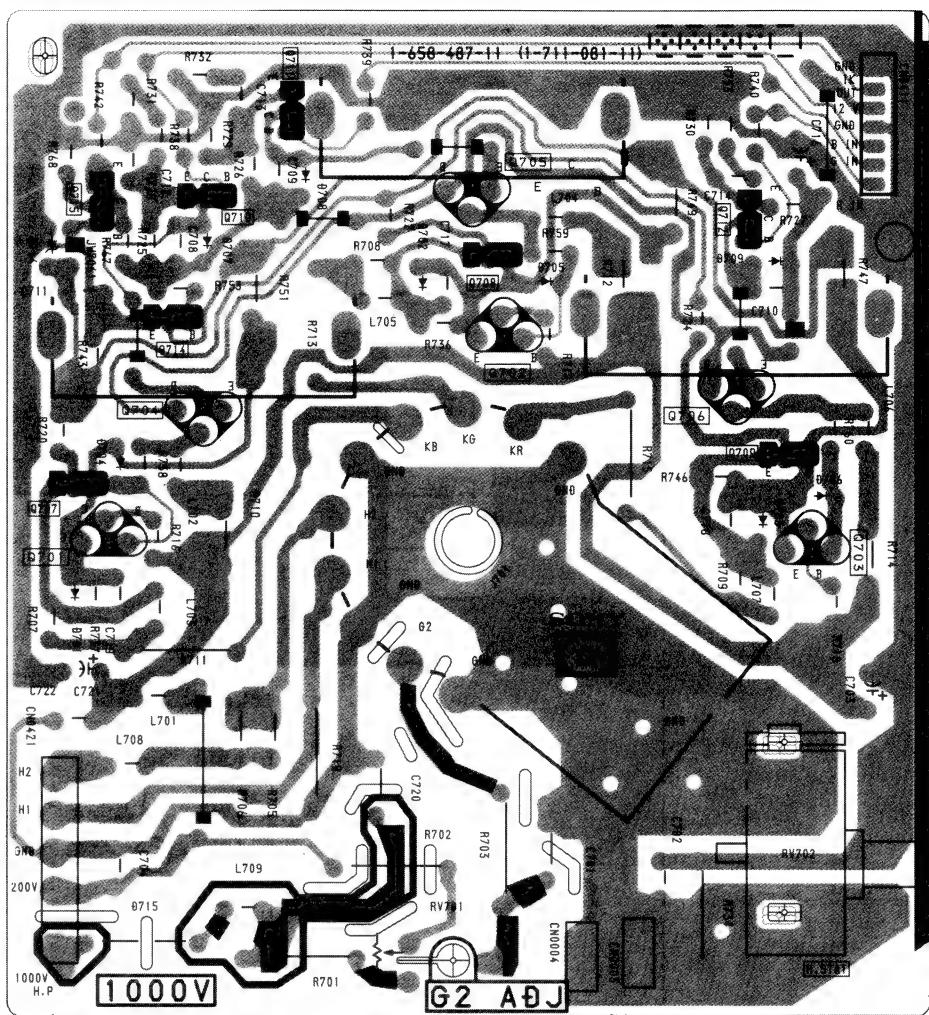
VM Board



C

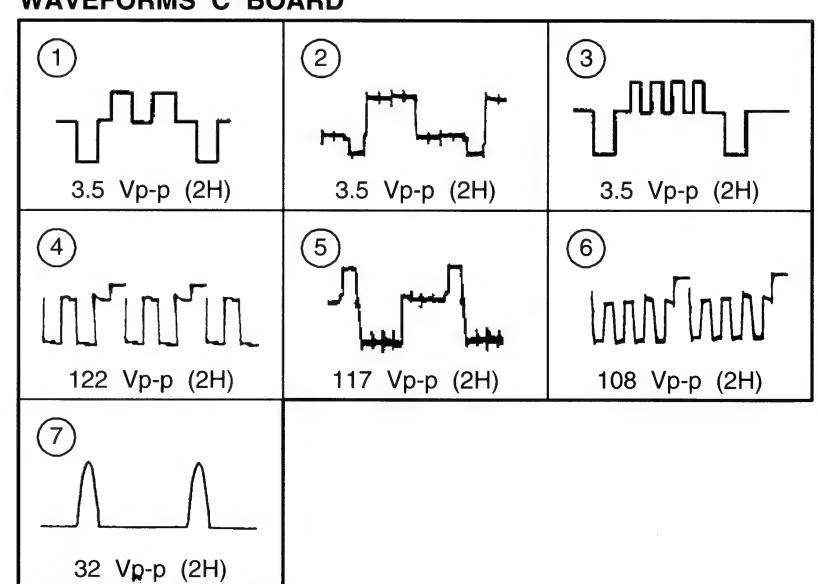
[RGB OUT]

C Board



| Pin No. | (B) Base | (C) Collector | (E) Emitter |
|---------|-------------|------------------|----------------|
| Ref.No. | | | |
| Q701 | 155 | 204 | 159 |
| Q702 | 146 | 204 | 151 |
| Q703 | 156 | 203 | 156 |
| Q704 | 12.0 | 155 | 11.5 |
| Q705 | 12.0 | 144 | 11.5 |
| Q706 | 12.0 | 151 | 11.5 |
| Q707 | 158 | 5.5 | 176 |
| Q708 | 151 | 5.3 | 173 |
| Q709 | 156 | 5.5 | 168 |
| Q710 | 2.1 | 11.4 | 1.7 |
| Q711 | 2.2 | 11.4 | 1.8 |
| Q712 | 2.1 | 11.4 | 1.7 |
| Q714 | 0.7 | 0.1 | 0 |
| Q715 | 5.5 | 0.1 | 3.2 |

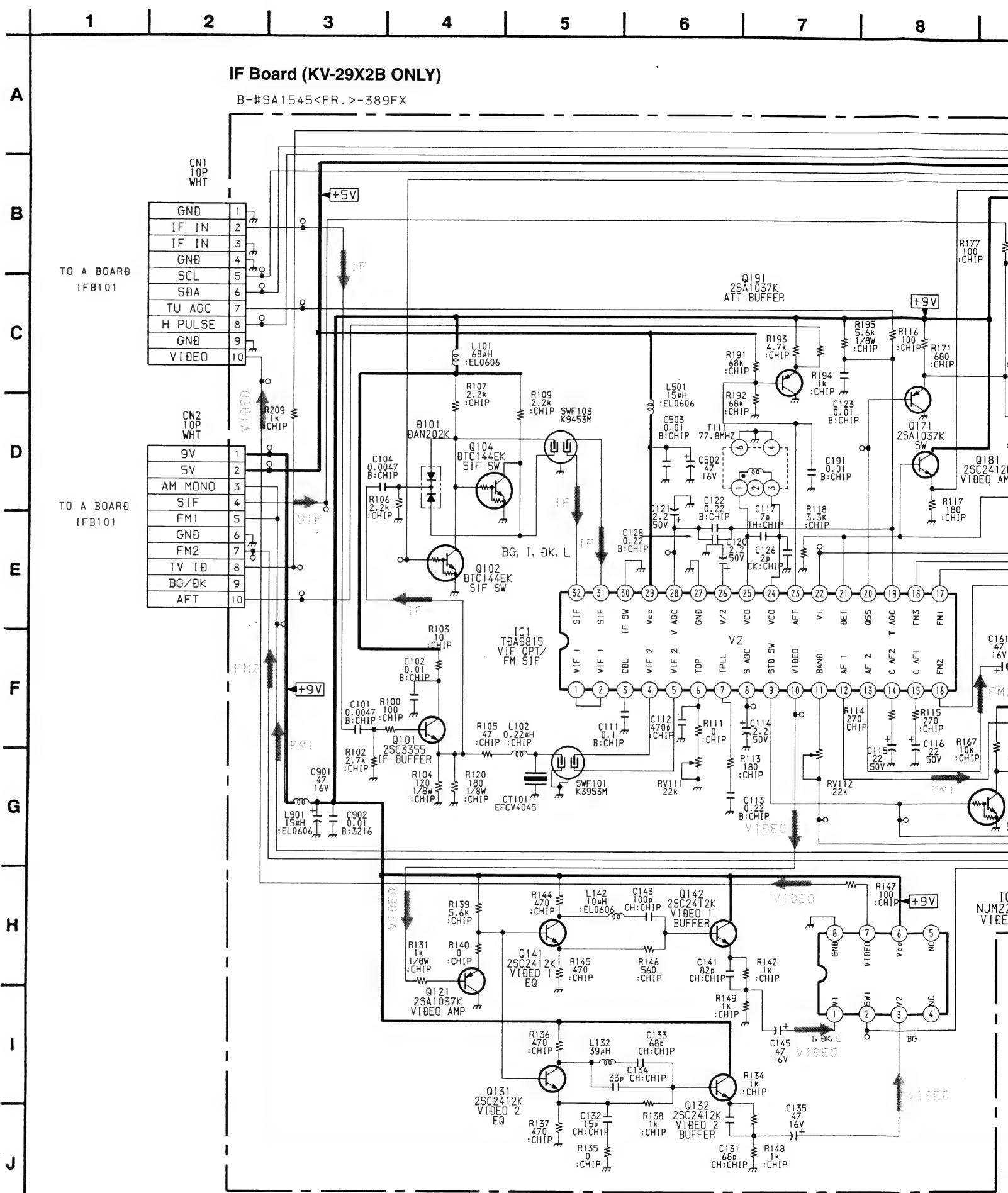
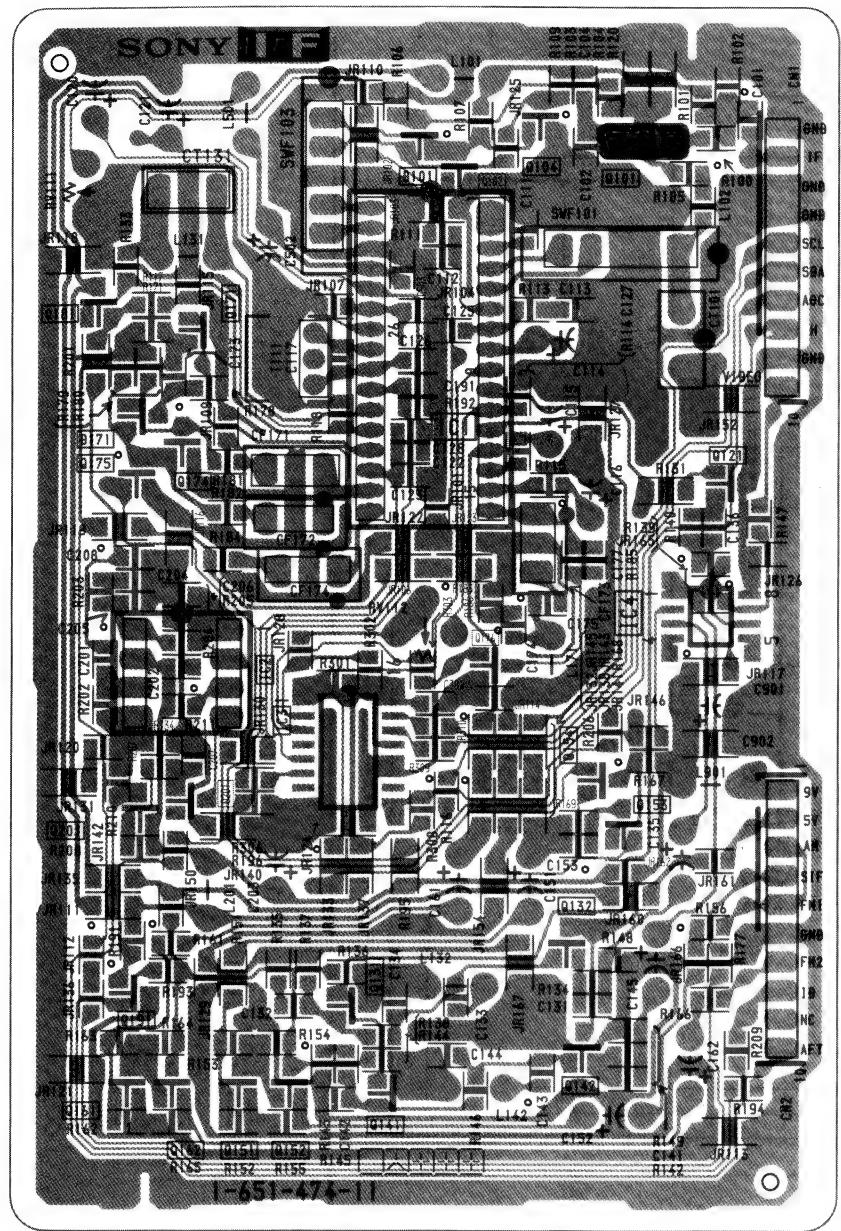
WAVEFORMS C BOARD



IF

[VIF, SIF]

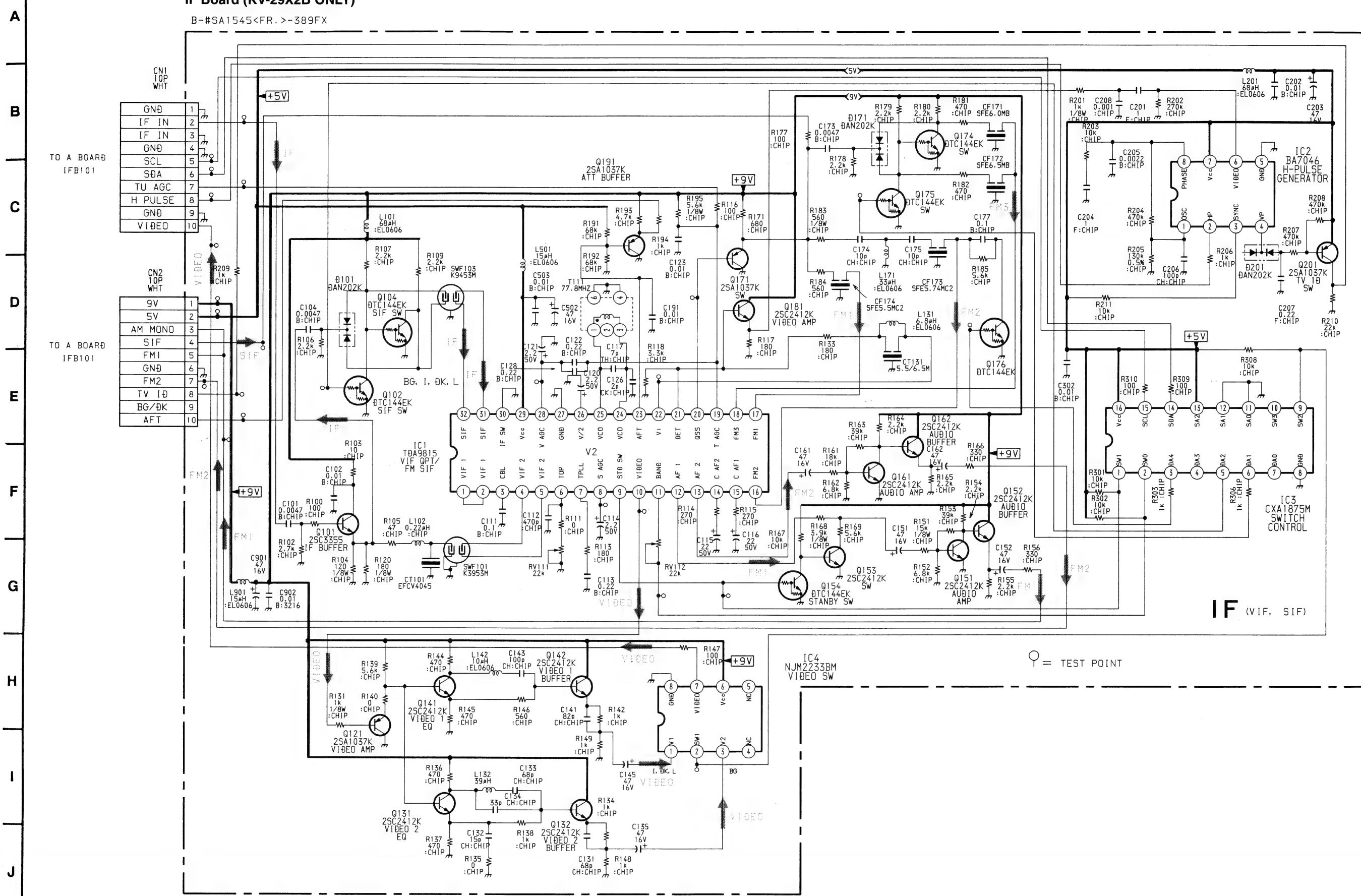
IFH-389FX (KV-29X2B ONLY)



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

IF Board (KV-29X2B ONLY)

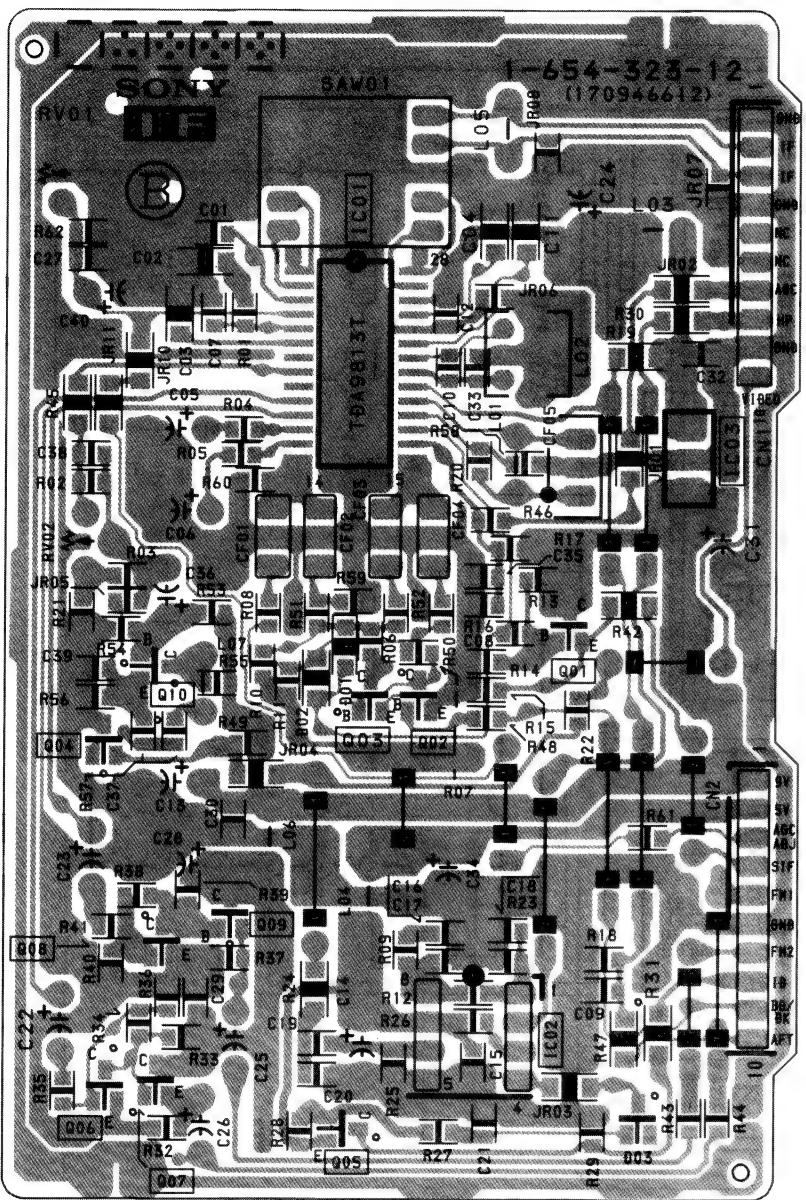
B-#SA1545<FR.>-389FX



IF

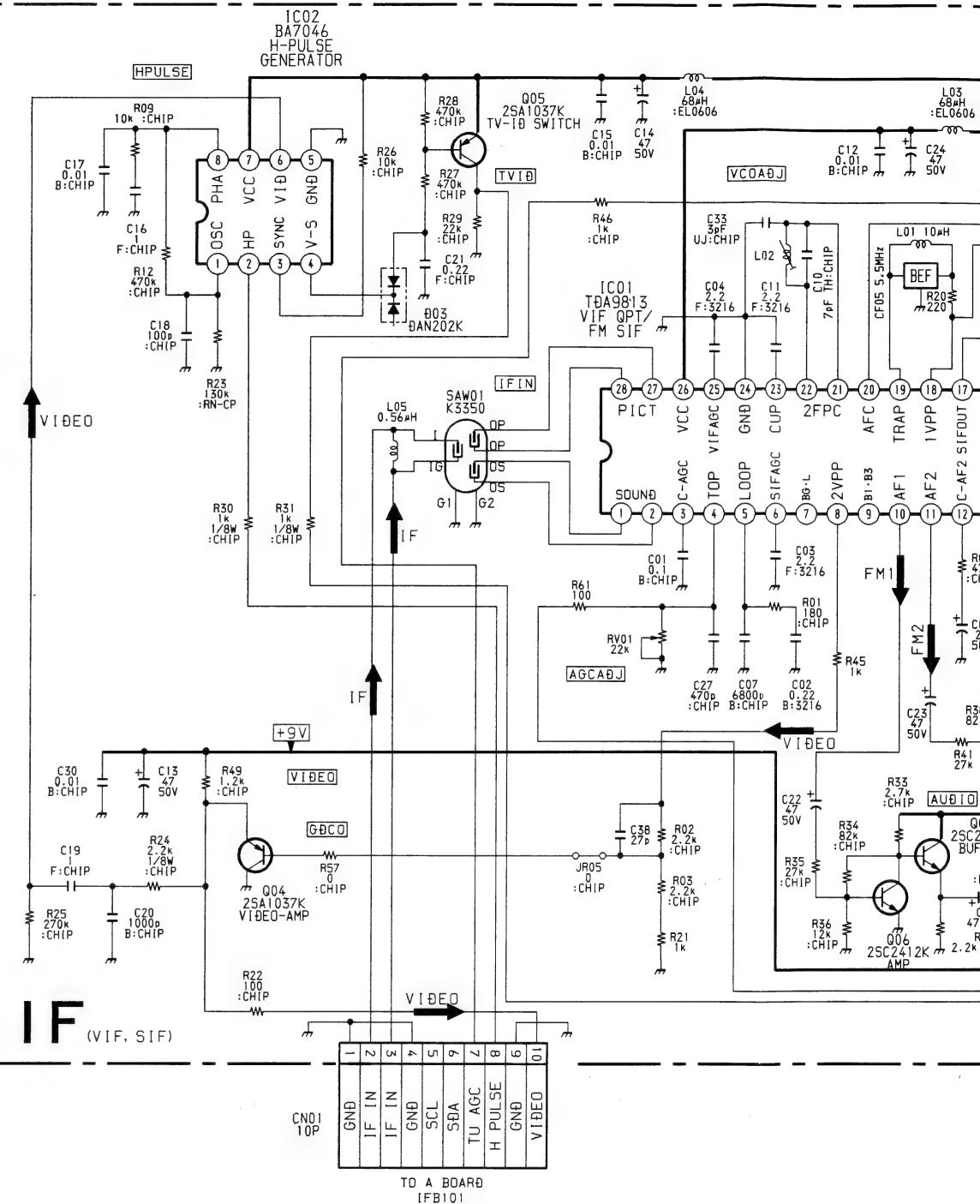
[VIF, SIF]

IFH-389WE (KV-29X2A, 29X2D and 29X2E ONLY)



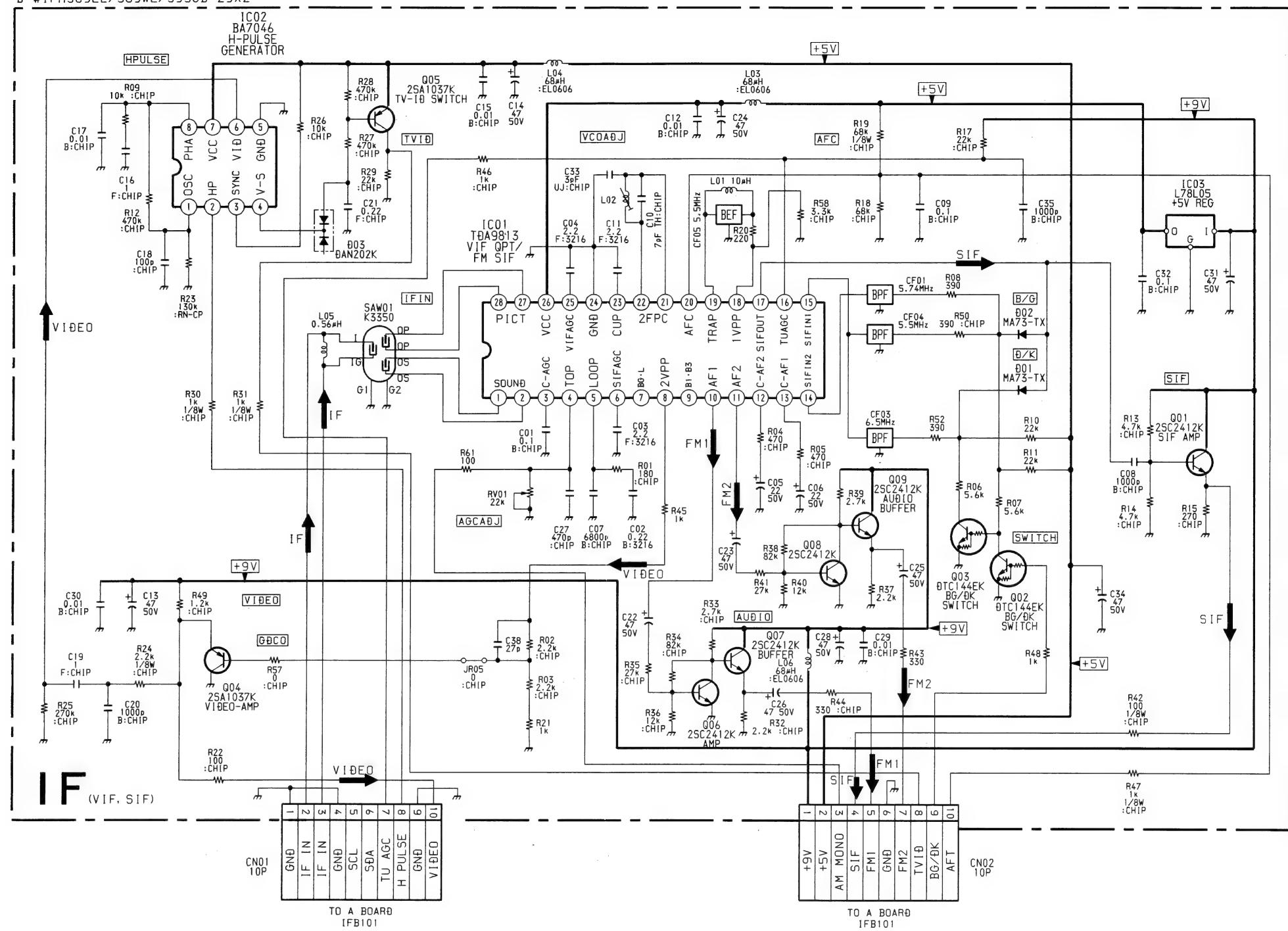
IF Board (KV-29X2A, 29X2D and 29X2E ONLY)

B-#1FH389EE/389WE/395GB-29X2

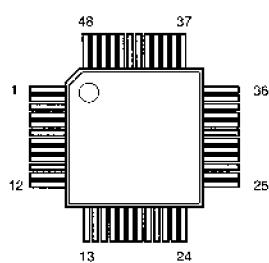


IF Board (KV-29X2A, 29X2D and 29X2E ONLY)

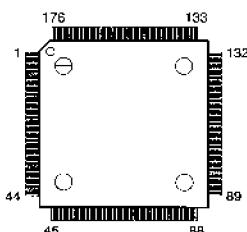
B-# IFH389EE/389WE/395GB-29X2



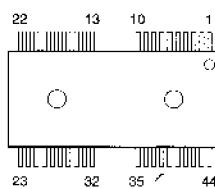
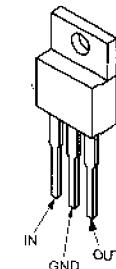
5-4. SEMICONDUCTORS

CXA1839Q-T6
CXD1178Q

CXD2035R

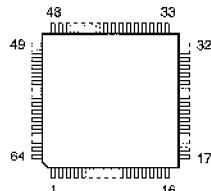


MB81C1501PFTN-G-D-ER

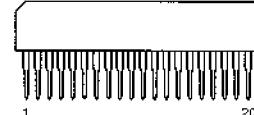
PQ09RE11
TEA7605CXA1840S
CXA1855S

(TOP VIEW)

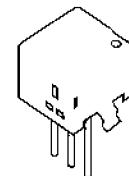
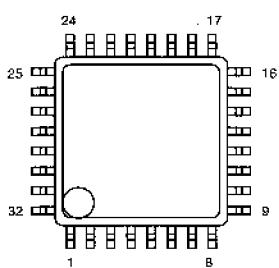
CXD2307R



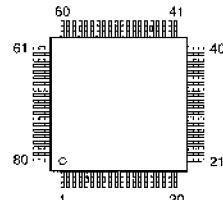
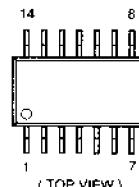
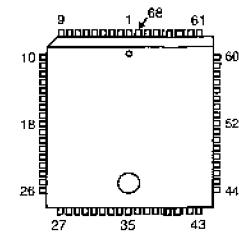
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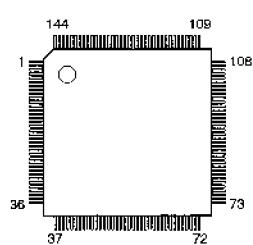
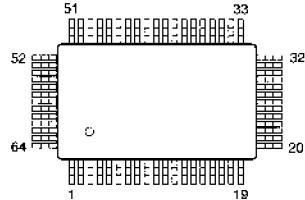
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CXD2300Q-T4

CXK48324R-1

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SDA5273P-C26-GEG
SDA9205-2GEG

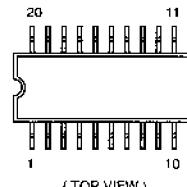
(TOP VIEW)

CXD2030R

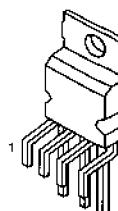
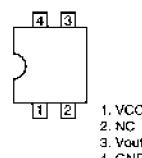
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SAA7283GP

(TOP VIEW)

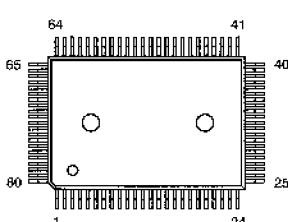
MC74F244M



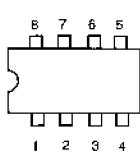
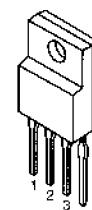
STV9379

PC123F2
PC123FY2

CXD2032Q-TL

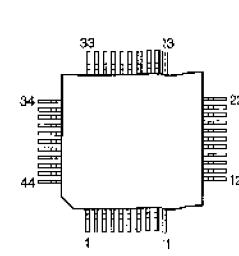


(MARKING SIDE VIEW)

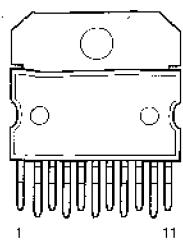
LM393P
M5216P
SDA9086-5
ST24C16CB1PQ05RF21
PQ12RF21

1 : VIN
2 : V OUT
3 : GND
4 : ON/OFF CONTROL

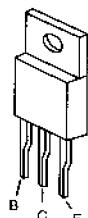
TDA6812-2NGEG



TDA7265



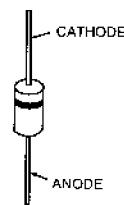
IRF614



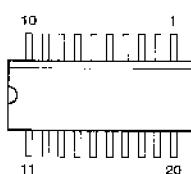
2SC4793



D1NL20 RGP10G
EL1Z R2K-V1
GP08D S2LA20F
RGP02-20EL-6394



TDA8395T/N2



JA101 2SA1837
JC501 2SA733-K
2SA1091-O 2SC2500-B
2SA1207 2SC2551-O

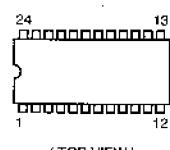


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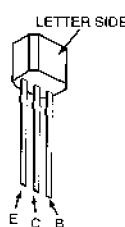
ERC38-06 RD5.6ESB2
MTZJ-3.6A RD6.8ESB2
MTZJ-5.6B RD9.1ESB2
MTZJ-6.8B
MTZJ-T-77-9.1
MTZJ-T-77-9.1A
MTZJ-9.1B
MTZJ-15B RD15ES-B2
MTZJ-33C 1SS119-25
MTZJ-39 1SS133T-77
RD39ESB2

TDA8443B

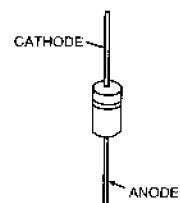
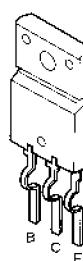


(TOP VIEW)

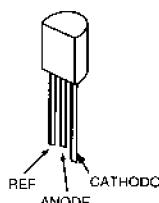
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2SC2785-HFE



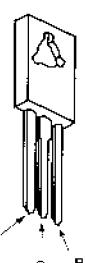
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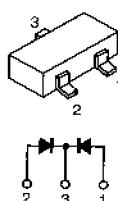
TL431CLP



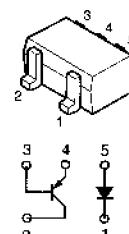
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2SC2688-LK
2SC3271-N



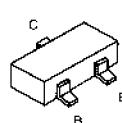
DAN202K



D10SC4M



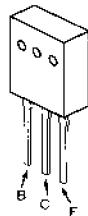
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DTC114EK 2SC2412K-QR
DTC124EKA-T146
DTC144EKA-T146
2SA1037K
2SA1162-G



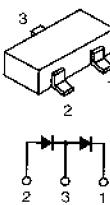
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DTC144ESA-TP



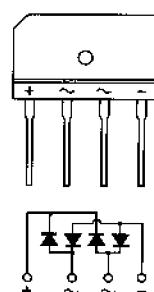
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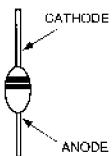
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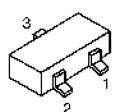
D4SB60L
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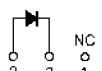
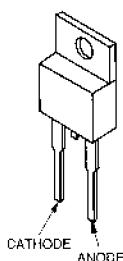
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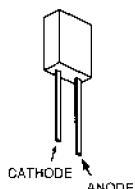
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MA3051M-TX
MA3091
RD5.1M-B2
RD5.6M-B2



ERD08M-15



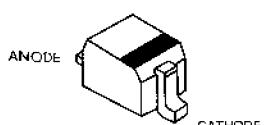
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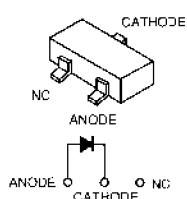
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ESAD39M-06C



HVU359TRF
MA110
1SV214



MA3030H (TX)



SECTION 6

EXPLODED VIEWS

NOTE :

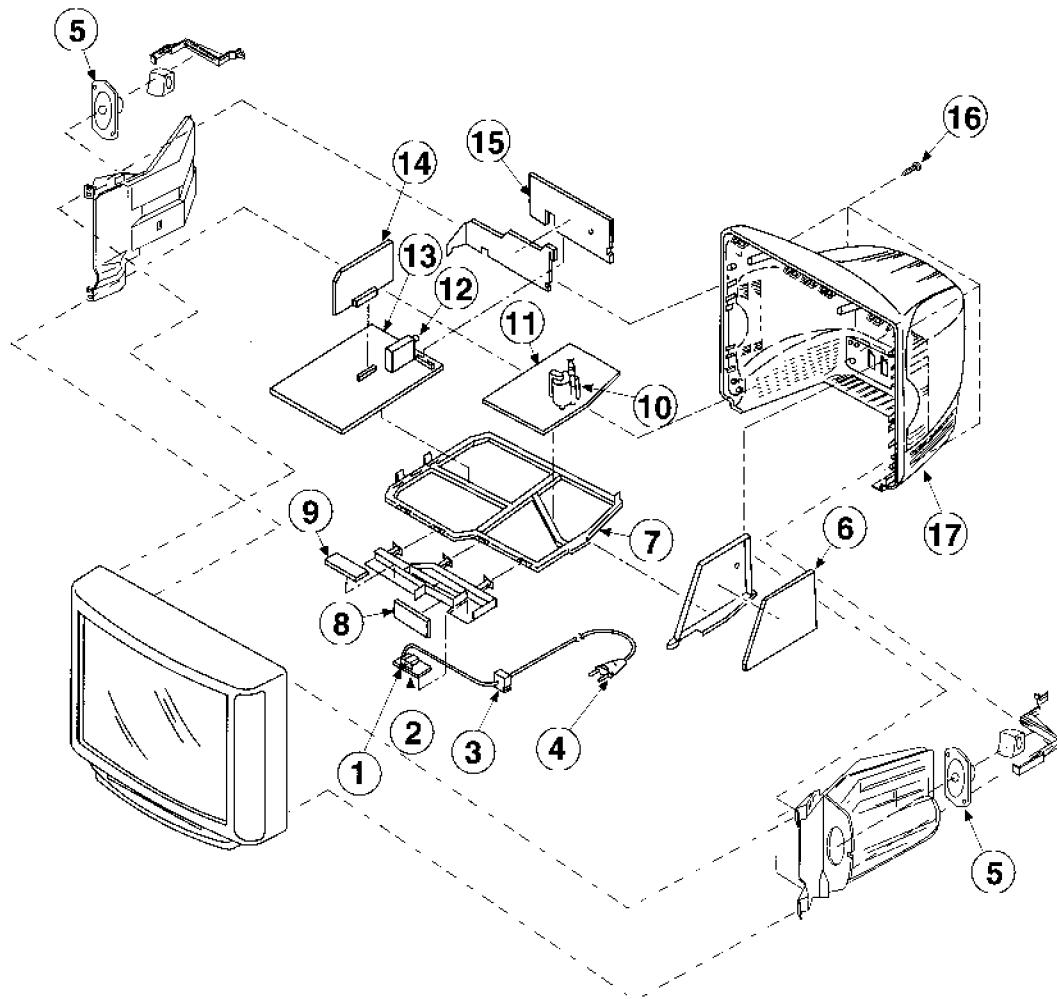
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and marked ! are critical for safety.

Replace only with the part number specified.

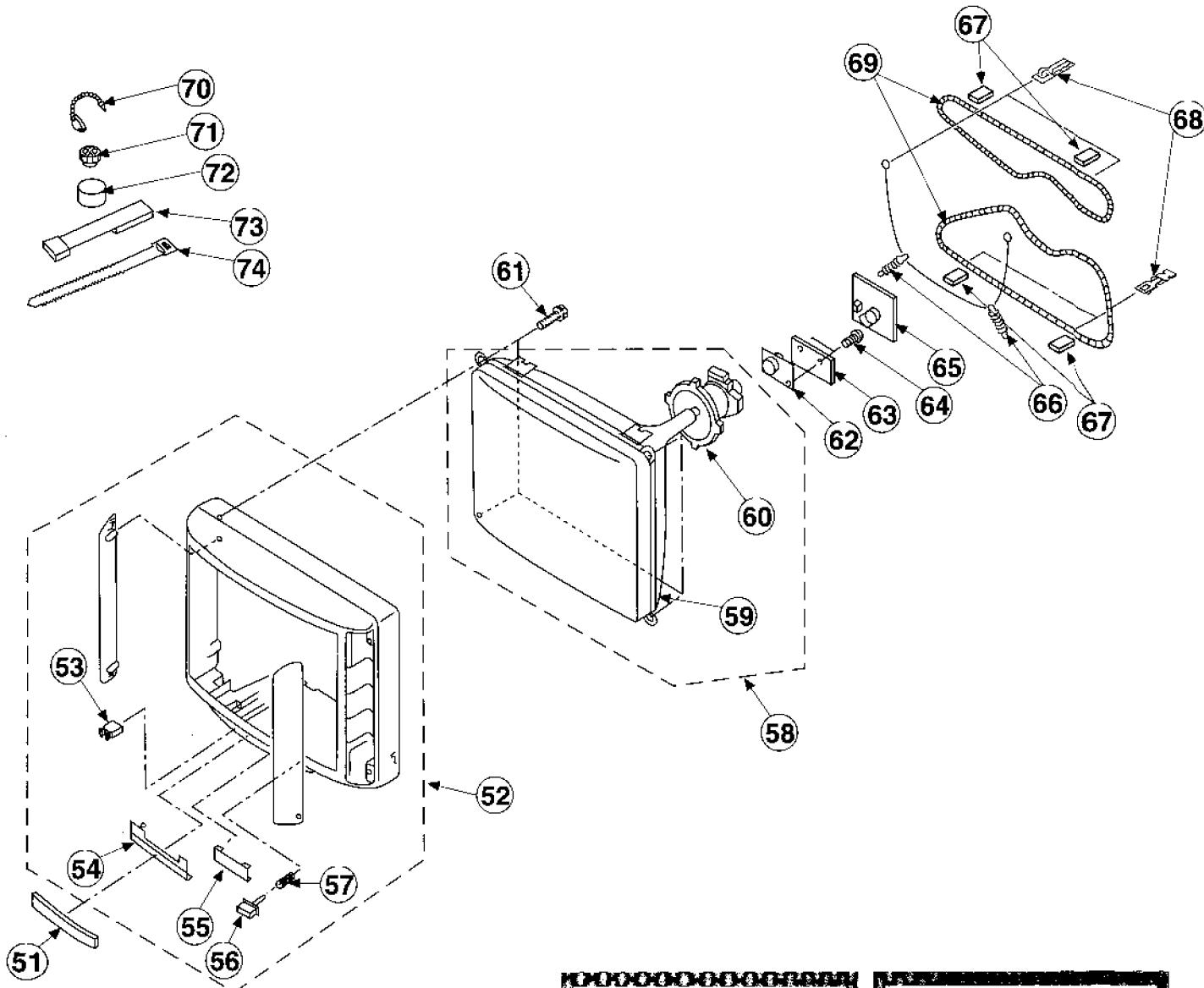
Les composants identifiés par une trame et une marque ! sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifié.

6-1. CHASSIS

| REF NO | PART NO | DESCRIPTION | REMARK | REF NO | PART NO | DESCRIPTION | REMARK |
|--------|---------------|-------------------------------------------|--------|--------|---------------|------------------------------------|--------|
| 1 | 1-571-433-21 | SWITCH, PUSH (AC POWER) | | 11 | *A-1640-236-A | D BOARD, COMPLETE | |
| 2 | *A-1624-052-A | F1 BOARD, COMPLETE | | 12 | 8-598-361-00 | TUNER (BTP-AC402) | |
| 3 | *4-202-533-01 | AC CORD LOCK (SC) | | 13 | *A-1632-462-A | A BOARD, COMPLETE (KV-29X2A/29X2D) | |
| 4 | 1-751-608-11 | COND. POWER (WITH NOISE FILTER) | | | *A-1632-461-A | A BOARD, COMPLETE (KV-29X2B) | |
| 5 | 1-504-507-11 | SPEAKER (5CM) | | | *A-1632-460-A | A BOARD, COMPLETE (KV-29X2E) | |
| 6 | *A-1636-009-A | G BOARD, COMPLETE | | 14 | *A-1620-073-A | B3 BOARD, COMPLETE | |
| 7 | *4-050-452-01 | BRACKET, MAIN | | 15 | *A-1651-080-A | J BOARD, COMPLETE | |
| 8 | *A-1646-099-A | H2 BOARD, COMPLETE | | 16 | 4-039-358-01 | SCREW (4x16), (+) BV TAPPING | |
| 9 | *A-1646-098-A | H1 BOARD, COMPLETE | | 17 | X-4032-754-3 | COVER ASSY, REAR | |
| 10 | 1-458-167-11 | TRANSFORMER ASSY, PLYBACK (NX2661/U2E) | | | | | |

6-2. PICTURE TUBE



The components identified by shading and marked are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| REF NO | PART NO | DESCRIPTION | REMARK | REF NO | PART NO | DESCRIPTION | REMARK |
|--------|---------------|-----------------------------|--------|--------|---------------|--------------------------------|--------|
| 51 | 4-202-644-41 | ORNAMENT DOOR | | 65 | *A-1638-070-A | C BOARD, COMPLETE | |
| 52 | X-4031-666-7 | BEZNET ASSY | 53-57 | 66 | 4-200-433-01 | SPRING, TENSION | |
| 53 | 4-392-036-01 | CATCHER, PUSH | | 67 | *4-203-390-01 | CUSHION, DGC | |
| 54 | 4-202-642-01 | DOOR | | 68 | 4-202-415-01 | CLIP, DGC (29") | |
| 55 | 4-202-643-01 | WINDOW ORNAMENTAL | | 69 | *4-16467-11 | CLIP, LEAD WIRE | |
| 56 | 4-202-637-01 | BUTTON POWER | | 70 | 4-308-870-00 | CLIP, LEAD WIRE | |
| 57 | 4-329-112-51 | SPRING | | 71 | 1-452-094-00 | MAGNET, ROTATABLE DISK; 150M Ø | |
| 58 | 4-202-644-41 | ORNAMENT DOOR | | 72 | 1-452-032-00 | MAGNET, DISK; 10MM Ø | |
| 59 | 4-202-644-41 | ORNAMENT DOOR | | 73 | X-4387-214-1 | PERMALLOY ASSY, CORRECTION | |
| 60 | 4-202-644-41 | ORNAMENT DOOR | | 74 | 3-701-007-00 | BAND, BINDING | |
| 61 | 4-036-188-01 | SCREW (M), PT | | | | | |
| 62 | 4-039-357-01 | SCREW (3x8), (+) BV TAPPING | | | | | |
| 63 | *A-1644-064-A | VM BOARD, COMPLETE | | | | | |
| 64 | 4-039-357-01 | SCREW (3x8), (+) BV TAPPING | | | | | |

SECTION 7

ELECTRICAL PARTS LIST

When indicating parts by reference number, please include the board name.

CAPACITORS **COILS**

MF : mF, PF : mmF MMH : mH, pH : mH

B3

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

RESISTORS

- All resistors are in ohms
- F : nonflammable

The components identified by shading and marked + are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque + sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|---------------|---------------------|--------|---------|--------------|-----------------------|---------|
| | *A-1620-073-A | B3 BOARD, COMPLETE | | C321 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| | | ***** | | C322 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| | | < CAPACITOR > | | C323 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| | | | | C324 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C01 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C325 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C02 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C326 | 1-126-933-11 | ELECT 100MF | 20% 16V |
| C03 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C327 | 1-126-933-11 | ELECT 100MF | 20% 16V |
| C04 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C328 | 1-126-933-11 | ELECT 100MF | 20% 16V |
| C05 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C329 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C06 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C330 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C07 | 1-104-664-11 | ELECT 47MF | 20% | C331 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C08 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C332 | 1-163-137-00 | CERAMIC CHIP 680PF | 5% 50V |
| C09 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C333 | 1-163-137-00 | CERAMIC CHIP 680PF | 5% 50V |
| C10 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C334 | 1-163-129-00 | CERAMIC CHIP 330PF | 5% 50V |
| C11 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C335 | 1-163-099-00 | CERAMIC CHIP 18PF | 5% 50V |
| C12 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C336 | 1-163-096-00 | CERAMIC CHIP 13PF | 5% 50V |
| C14 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C337 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V |
| C15 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C338 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C16 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C339 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C17 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C340 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C18 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C341 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C19 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C342 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C20 | 1-163-124-00 | CERAMIC CHIP 200PF | 5% | C343 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C21 | 1-163-121-00 | CERAMIC CHIP 150PF | 5% | C344 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V |
| C22 | 1-104-664-11 | ELECT 47MF | 20% | C501 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C23 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C502 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C301 | 1-163-111-00 | CERAMIC CHIP 56PF | 5% | C503 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C302 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C504 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C303 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C505 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C304 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C506 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C305 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C507 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C306 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C508 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C307 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C509 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C308 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C510 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C309 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C511 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C310 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C513 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C311 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C514 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% 50V |
| C312 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C515 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C313 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C516 | 1-162-568-11 | CERAMIC CHIP 0.33MF | 10% 16V |
| C315 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C517 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C316 | 1-163-119-00 | CERAMIC CHIP 120PF | 50V | C518 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C317 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C519 | 1-124-902-00 | ELECT 0.47MF | 20% 50V |
| C318 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C520 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C319 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C522 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C320 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C525 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |

B3

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK | |
|---------|--------------|----------------------|--------|---------|--------------|--------------------------------------------|------------------------|--|
| C527 | 1-164-005-11 | CERAMIC CHIP 0.47MF | 16V | | | < CONNECTOR > | | |
| C528 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | | | | | |
| C530 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% | 50V | CN0302 | 1-695-302-11 CONNECTOR, BOARD TO BOARD 50P | | |
| C531 | 1-104-664-11 | ELECT 47MF | 20% | 25V | | < DIODE > | | |
| C532 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | D01 | 8-719-914-44 | DIODE DAP202K | | |
| C533 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | D301 | 8-719-031-68 | DIODE HVU359TRF | | |
| C534 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | D302 | 8-719-031-68 | DIODE HVU359TRF | | |
| C536 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | D303 | 8-719-404-46 | DIODE MA110 | | |
| C537 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | D1301 | 8-719-404-46 | DIODE MA110 | | |
| C538 | 1-104-664-11 | ELECT 47MF | 20% | 25V | D1302 | 8-719-914-43 | DIODE DAN202K | |
| C539 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | D1304 | 8-719-914-43 | DIODE DAN202K | | |
| C540 | 1-104-664-11 | ELECT 47MF | 20% | 25V | D1309 | 8-719-914-43 | DIODE DAN202K | |
| C542 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | | | < ENCAPSULATED FILTER > | | |
| C543 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | FL01 | 1-233-446-11 | FILTER, LOW PASS | | |
| C544 | 1-104-664-11 | ELECT 47MF | 20% | 25V | FL02 | 1-233-438-11 | FILTER, LOW PASS | |
| C545 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | FL03 | 1-233-438-11 | FILTER, LOW PASS | | |
| C546 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | FL301 | 1-236-520-11 | FILTER, LOW PASS | | |
| C547 | 1-126-924-11 | ELECT 330MF | 20% | 10V | FL302 | 1-236-520-11 | FILTER, LOW PASS | |
| C548 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | | | | | |
| C553 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | FL352 | 1-233-436-11 | FILTER, LOW PASS | | |
| C556 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | FL353 | 1-233-435-11 | FILTER, LOW PASS | | |
| C557 | 1-163-111-00 | CERAMIC CHIP 56PF | 5% | 50V | FL355 | 1-233-436-11 | FILTER, LOW PASS | |
| C558 | 1-163-111-00 | CERAMIC CHIP 56PF | 5% | 50V | FL1301 | 1-233-434-11 | FILTER, LOW PASS | |
| C559 | 1-163-111-00 | CERAMIC CHIP 56PF | 5% | 50V | FL1302 | 1-233-434-11 | FILTER, LOW PASS | |
| C560 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | | | < IC > | | |
| C561 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | IC01 | 8-752-338-46 | IC CXD1178Q | | |
| C1301 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | IC02 | 8-752-370-87 | IC CXD2035R | | |
| C1302 | 1-126-964-11 | ELECT 10MF | 20% | 50V | IC04 | 8-752-365-06 | IC CXK48324R-1 | |
| C1303 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | IC05 | 8-752-365-06 | IC CXK48324R-1 | | |
| C1306 | 1-126-964-11 | ELECT 10MF | 20% | 50V | IC06 | 8-759-362-96 | IC MB81C1501PFTN-G-D-E | |
| C1307 | 1-126-964-11 | ELECT 10MF | 20% | 50V | | | | |
| C1308 | 1-126-964-11 | ELECT 10MF | 20% | 50V | IC301 | 8-752-357-86 | IC CXD2300Q-T4 | |
| C1309 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% | 50V | IC302 | 8-752-369-15 | IC CXD2030R | |
| C1310 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% | 50V | IC501 | 8-759-925-76 | IC SN74HC08ANS | |
| C1311 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | IC502 | 8-752-370-85 | IC CXD2032Q-TL | | |
| C1313 | 1-163-125-00 | CERAMIC CHIP 220PF | 5% | 50V | IC503 | 8-752-357-62 | IC CXD2307R | |
| C1314 | 1-126-964-11 | ELECT 10MF | 20% | 50V | IC504 | 8-759-350-07 | IC SDA9205-2GEG | |
| C1315 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | IC505 | 8-759-033-43 | IC MC74F244M | | |
| C1316 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V | IC506 | 8-759-033-43 | IC MC74F244M | |
| C1317 | 1-164-489-11 | CERAMIC CHIP 0.22MF | 10% | 16V | IC507 | 8-759-032-11 | IC MC74HC04AF | |
| C1318 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V | IC1301 | 8-759-368-89 | IC TDA8395T/N2 | |
| C1319 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V | IC1302 | 8-752-070-58 | IC CXA1860Q-T4 | |
| C1319 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V | IC1305 | 8-759-032-11 | IC MC74HC04AF | |
| C1320 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V | | | | |
| C1321 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% | 50V | L01 | 1-408-397-00 | INDUCTOR 1UH | |
| C1322 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% | 50V | L02 | 1-408-397-00 | INDUCTOR 1UH | |
| C1323 | 1-163-099-00 | CERAMIC CHIP 18PF | 5% | 50V | L301 | 1-408-403-00 | INDUCTOR 3.3UH | |
| C1324 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 50V | L302 | 1-408-403-00 | INDUCTOR 3.3UH | |
| C1347 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | L303 | 1-408-403-00 | INDUCTOR 3.3UH | | |
| C1348 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | | | | | |
| C1349 | 1-163-101-00 | CERAMIC CHIP 22PF | 5% | 50V | L304 | 1-414-248-11 | INDUCTOR 2.2UH | |
| C1350 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V | L305 | 1-414-248-11 | INDUCTOR 2.2UH | |
| C1351 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% | 50V | L306 | 1-408-403-00 | INDUCTOR 3.3UH | |
| C1352 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | L307 | 1-408-397-00 | INDUCTOR 1UH | | |
| C1431 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | L308 | 1-408-397-00 | INDUCTOR 1UH | | |
| C1432 | 1-104-664-11 | ELECT 47MF | 20% | 25V | L501 | 1-408-397-00 | INDUCTOR 1UH | |
| C1443 | 1-104-664-11 | ELECT 47MF | 20% | 25V | L502 | 1-408-397-00 | INDUCTOR 1UH | |
| C1446 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | L503 | 1-414-243-11 | INDUCTOR 1UH | | |
| | | | | L504 | 1-414-243-11 | INDUCTOR 1UH | | |
| | | | | L505 | 1-414-243-11 | INDUCTOR 1UH | | |

B3

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|----------------|--------------|-------------------------|-----------------|---------|--------------|-------------|------------------|
| L506 | 1-408-397-00 | INDUCTOR | 1UH | R07 | 1-216-663-11 | METAL CHIP | 3.3K 0.50% 1/10W |
| L507 | 1-408-397-00 | INDUCTOR | 1UH | R08 | 1-216-659-11 | METAL CHIP | 2.2K 0.50% 1/10W |
| L508 | 1-408-397-00 | INDUCTOR | 1UH | R09 | 1-216-662-11 | METAL CHIP | 3K 0.50% 1/10W |
| L509 | 1-408-397-00 | INDUCTOR | 1UH | R24 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| L512 | 1-408-405-00 | INDUCTOR | 4.7UH | R25 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| L513 | 1-408-405-00 | INDUCTOR | 4.7UH | R26 | 1-216-655-11 | METAL CHIP | 1.5K 0.50% 1/10W |
| L1406 | 1-408-403-00 | INDUCTOR | 3.3UH | R27 | 1-216-047-91 | METAL GLAZE | 820 5% 1/10W |
| < TRANSISTOR > | | | | R28 | 1-216-047-91 | METAL GLAZE | 820 5% 1/10W |
| R29 | 1-216-047-91 | METAL GLAZE | 820 5% 1/10W | R36 | 1-216-631-11 | METAL CHIP | 150 0.50% 1/10W |
| Q01 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R37 | 1-216-627-11 | METAL CHIP | 100 0.50% 1/10W |
| Q02 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R38 | 1-216-627-11 | METAL CHIP | 100 0.50% 1/10W |
| Q03 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R53 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W |
| Q04 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R56 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| Q05 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R58 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| Q06 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R59 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| Q301 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R60 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| Q302 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R301 | 1-216-022-00 | METAL GLAZE | 75 5% 1/10W |
| Q303 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R302 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| Q304 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R303 | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W |
| Q305 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R304 | 1-208-767-11 | METAL CHIP | 240 0.50% 1/10W |
| Q306 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R305 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W |
| Q307 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R306 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| Q308 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R307 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W |
| Q309 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R308 | 1-216-051-00 | METAL GLAZE | 1.2K 5% 1/10W |
| Q351 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R309 | 1-216-664-11 | METAL CHIP | 3.6K 0.50% 1/10W |
| Q352 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R310 | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1/10W |
| Q353 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R311 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| Q354 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R312 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| Q356 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R313 | 1-216-659-11 | METAL CHIP | 2.2K 0.50% 1/10W |
| Q358 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R314 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| Q359 | 8-729-900-53 | TRANSISTOR DTC114EK | | R315 | 1-208-767-11 | METAL CHIP | 240 0.50% 1/10W |
| Q360 | 8-729-901-04 | TRANSISTOR DTA114EK | | R316 | 1-216-022-00 | METAL GLAZE | 75 5% 1/10W |
| Q501 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R317 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W |
| Q502 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R318 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| Q503 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R319 | 1-216-097-00 | METAL GLAZE | 100K 5% 1/10W |
| Q504 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R320 | 1-216-051-00 | METAL GLAZE | 1.2K 5% 1/10W |
| Q505 | 8-729-119-78 | TRANSISTOR 2SC22785-HFE | | R321 | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1/10W |
| Q507 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R322 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W |
| Q508 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R323 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| Q509 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R324 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W |
| Q510 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R325 | 1-216-097-00 | METAL GLAZE | 100K 5% 1/10W |
| Q1301 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R326 | 1-216-091-00 | METAL GLAZE | 56K 5% 1/10W |
| Q1302 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R327 | 1-216-097-00 | METAL GLAZE | 100K 5% 1/10W |
| Q1303 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R328 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| Q1304 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R329 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| Q1305 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R330 | 1-216-091-00 | METAL GLAZE | 56K 5% 1/10W |
| Q1306 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R331 | 1-216-075-00 | METAL GLAZE | 12K 5% 1/10W |
| Q1307 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R332 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W |
| Q1316 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R333 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| Q1317 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R334 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W |
| Q1318 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R335 | 1-216-051-00 | METAL GLAZE | 1.2K 5% 1/10W |
| Q1319 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R336 | 1-216-075-00 | METAL GLAZE | 12K 5% 1/10W |
| < RESISTOR > | | | | R337 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W |
| R01 | 1-216-629-11 | METAL CHIP | 120 0.50% 1/10W | R338 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W |
| R02 | 1-216-635-11 | METAL CHIP | 220 0.50% 1/10W | R339 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R03 | 1-216-635-11 | METAL CHIP | 220 0.50% 1/10W | R356 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W |
| R04 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W | R357 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R05 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W | R358 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W |
| R06 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W | R359 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W |

The components identified by shading and marked * are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque * sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

B3

F1

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|--------------|-------------|------------------|---------|---------------|----------------------------------|---------------------|
| R360 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W | R1302 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| R361 | 1-216-645-11 | METAL CHIP | 560 0.50% 1/10W | R1303 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W |
| R362 | 1-208-800-11 | METAL CHIP | 5.6K 0.50% 1/10W | R1304 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W |
| R363 | 1-216-663-11 | METAL CHIP | 3.3K 0.50% 1/10W | R1305 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R364 | 1-216-663-11 | METAL CHIP | 3.3K 0.50% 1/10W | R1306 | 1-216-055-00 | METAL GLAZE | 1.8K 5% 1/10W |
| R365 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W | R1307 | 1-216-671-11 | METAL CHIP | 6.8K 0.50% 1/10W |
| R367 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W | R1308 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R368 | 1-216-660-11 | METAL CHIP | 2.4K 0.50% 1/10W | R1310 | 1-216-053-00 | METAL GLAZE | 1.5K 5% 1/10W |
| R372 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W | R1311 | 1-216-085-00 | METAL GLAZE | 33K 5% 1/10W |
| R373 | 1-216-660-11 | METAL CHIP | 2.4K 0.50% 1/10W | R1312 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R374 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R1313 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R375 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R1314 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W |
| R376 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R1315 | 1-208-767-11 | METAL CHIP | 240 0.50% 1/10W |
| R377 | 1-216-053-00 | METAL GLAZE | 1.5K 5% 1/10W | R1316 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R378 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R1317 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R501 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R1318 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R502 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R1319 | 1-216-069-00 | METAL GLAZE | 6.8K 5% 1/10W |
| R505 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1320 | 1-216-648-11 | METAL CHIP | 750 0.50% 1/10W |
| R506 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1321 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R507 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1322 | 1-216-053-00 | METAL GLAZE | 1.5K 5% 1/10W |
| R508 | 1-216-632-11 | METAL CHIP | 160 0.50% 1/10W | R1323 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R509 | 1-216-631-11 | METAL CHIP | 150 0.50% 1/10W | R1324 | 1-216-651-11 | METAL CHIP | 1K 0.50% 1/10W |
| R510 | 1-216-631-11 | METAL CHIP | 150 0.50% 1/10W | R1325 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W |
| R511 | 1-216-663-11 | METAL CHIP | 3.3K 0.50% 1/10W | R1326 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W |
| R512 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1327 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R513 | 1-216-659-11 | METAL CHIP | 2.2K 0.50% 1/10W | R1328 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R516 | 1-216-077-00 | METAL GLAZE | 15K 5% 1/10W | R1329 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R517 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R1330 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W |
| R518 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | R1331 | 1-216-650-11 | METAL CHIP | 910 0.50% 1/10W |
| R519 | 1-216-053-00 | METAL GLAZE | 1.5K 5% 1/10W | R1332 | 1-216-626-11 | METAL CHIP | 91 0.50% 1/10W |
| R520 | 1-216-085-00 | METAL GLAZE | 33K 5% 1/10W | R1366 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W |
| R521 | 1-216-071-00 | METAL GLAZE | 8.2K 5% 1/10W | R1367 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R522 | 1-216-071-00 | METAL GLAZE | 8.2K 5% 1/10W | R1368 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R523 | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W | R1369 | 1-216-083-00 | METAL GLAZE | 27K 5% 1/10W |
| R524 | 1-216-121-91 | METAL GLAZE | 1M 5% 1/10W | R1370 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R529 | 1-218-756-11 | METAL CHIP | 150K 0.50% 1/10W | R1371 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R530 | 1-216-047-91 | METAL GLAZE | 820 5% 1/10W | R1372 | 1-216-105-91 | METAL GLAZE | 220K 5% 1/10W |
| R531 | 1-216-047-91 | METAL GLAZE | 820 5% 1/10W | R1373 | 1-216-097-00 | METAL GLAZE | 100K 5% 1/10W |
| R532 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | R1374 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R535 | 1-216-047-91 | METAL GLAZE | 820 5% 1/10W | R1375 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R538 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R1376 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R539 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R1377 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R540 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | | | < CRYSTAL > | |
| R554 | 1-216-665-11 | METAL CHIP | 3.9K 0.50% 1/10W | X301 | 1-760-457-11 | VIBRATOR, CRYSTAL (VCO) | |
| R555 | 1-216-666-11 | METAL CHIP | 4.3K 0.50% 1/10W | X302 | 1-527-722-00 | OSCILLATOR, CRYSTAL | |
| R556 | 1-216-631-11 | METAL CHIP | 150 0.50% 1/10W | | | ***** | |
| R557 | 1-216-603-11 | METAL CHIP | 10 0.50% 1/10W | | | ***** | |
| R558 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | | | ***** | |
| R559 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | | | ***** | |
| R561 | 1-216-663-11 | METAL CHIP | 3.3K 0.50% 1/10W | | | *A-1624-052-A FI BOARD, COMPLETE | |
| R562 | 1-216-031-00 | METAL GLAZE | 180 5% 1/10W | | | ***** | |
| R563 | 1-216-031-00 | METAL GLAZE | 180 5% 1/10W | | | < CONNECTOR > | |
| R564 | 1-216-031-00 | METAL GLAZE | 180 5% 1/10W | | | | |
| R565 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | | | | |
| R566 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | CN0007 | *1-580-844-11 | PIN, CONNECTOR (POWER) | |
| R575 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | CN0622 | *1-695-292-11 | PIN, CONNECTOR (POWER) | |
| R577 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | | | < FUSE > | |
| R579 | 1-216-631-11 | METAL CHIP | 150 0.50% 1/10W | F651 | 1-576-232-21 | FUSE (H.B.C.) (5A 250V) | |
| R580 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | | | 1-533-230-12 | HOLDER, FUSE ; F651 |
| R1301 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | | | | |

F1 A

The components identified by shading and marked ***** are critical for safety.

Replace only with the part number specified.

Les composants identifiés par une trame et une marque ***** sont critiques pour la sécurité.

Ne les remplacer que par une pièce portant le numéro spécifique.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|----------------------------|--------------|-------------------------|---------|---------|--------------|-----------------------|---------|
| < SWITCH > | | | | | | | |
| 9651 | 1-571-433-21 | SWITCH, PUSH (AC POWER) | | C208 | 1-107-823-11 | CERAMIC CHIP 0.47MF | 10% 16V |
| | | | | C209 | 1-107-823-11 | CERAMIC CHIP 0.47MF | 10% 16V |
| | | | | C210 | 1-107-823-11 | CERAMIC CHIP 0.47MF | 10% 16V |
| | | | | C211 | 1-107-823-11 | CERAMIC CHIP 0.47MF | 10% 16V |
| | | | | C212 | 1-107-823-11 | CERAMIC CHIP 0.47MF | 10% 16V |
| | | | | C213 | 1-107-823-11 | CERAMIC CHIP 0.47MF | 10% 16V |
| | | | | C214 | 1-126-967-11 | ELECT 47MF | 20% 50V |
| | | | | C215 | 1-126-967-11 | ELECT 47MF | 20% 50V |
| | | | | C216 | 1-164-344-11 | CERAMIC CHIP 0.068MF | 10% 25V |
| | | | | C217 | 1-164-344-11 | CERAMIC CHIP 0.068MF | 10% 25V |
| | | | | C218 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| | | | | C219 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V |
| | | | | C220 | 1-124-925-11 | ELECT 2.2MF | 20% 50V |
| | | | | C221 | 1-124-925-11 | ELECT 2.2MF | 20% 50V |
| | | | | C226 | 1-163-011-11 | CERAMIC CHIP 0.0015MF | 10% 50V |
| < CAPACITOR > | | | | | | | |
| C001 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | C227 | 1-163-011-11 | CERAMIC CHIP 0.0015MF | 10% 50V |
| C002 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | C228 | 1-124-925-11 | ELECT 2.2MF | 20% 50V |
| C004 | 1-164-222-11 | CERAMIC CHIP 0.22MF | 25V | C229 | 1-124-925-11 | ELECT 2.2MF | 20% 50V |
| C007 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | C230 | 1-136-177-00 | FILM 1MF | 5% 50V |
| C008 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | C231 | 1-136-177-00 | FILM 1MF | 5% 50V |
| C009 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | C232 | 1-164-182-11 | CERAMIC CHIP 0.0033MF | 10% 50V |
| C010 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | C233 | 1-163-007-11 | CERAMIC CHIP 680PF | 10% 50V |
| C012 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | C234 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C014 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | C235 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C015 | 1-124-902-00 | ELECT 0.47MF | 20% 50V | C236 | 1-126-933-11 | ELECT 100MF | 20% 16V |
| C016 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V | C237 | 1-104-665-11 | ELECT 100MF | 20% 25V |
| C017 | 1-164-222-11 | CERAMIC CHIP 0.22MF | 25V | C238 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| C018 | 1-124-925-11 | ELECT 2.2MF | 20% 50V | C239 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| C019 | 1-126-965-11 | ELECT 22MF | 20% 50V | C240 | 1-104-665-11 | ELECT 100MF | 20% 25V |
| C020 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | C242 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C022 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C243 | 1-126-967-11 | ELECT 47MF | 20% 16V |
| C023 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C248 | 1-163-185-00 | CERAMIC CHIP 150PF | 5% 50V |
| C024 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C251 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| C025 | 1-164-222-11 | CERAMIC CHIP 0.22MF | 25V | C252 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| C026 | 1-164-222-11 | CERAMIC CHIP 0.22MF | 25V | C253 | 1-126-967-11 | ELECT 47MF | 20% 16V |
| C027 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V | C256 | 1-126-967-11 | ELECT 47MF | 20% 16V |
| C028 | 1-126-964-11 | ELECT 10MF | 20% 50V | C258 | 1-126-934-11 | ELECT 220MF | 20% 16V |
| C042 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V | C259 | 1-107-714-11 | ELECT 10MF | 20% 16V |
| C072 | 1-126-934-11 | ELECT 220MF | 20% 16V | C266 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% 50V |
| C075 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V | C267 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% 50V |
| C076 | 1-126-923-11 | ELECT 220MF | 20% 10V | C268 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| C081 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% 50V | C269 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| C104 | 1-126-934-11 | ELECT 220MF | 20% 16V | C270 | 1-126-953-11 | ELECT 2200MF | 20% 35V |
| C105 | 1-126-965-11 | ELECT 22MF | 20% 50V | C271 | 1-126-953-11 | ELECT 2200MF | 20% 35V |
| C106 | 1-126-963-11 | ELECT 4.7MF | 20% 50V | C272 | 1-126-953-11 | ELECT 2200MF | 20% 35V |
| | | (KV-29X2A/29X2D/29X2E) | | C273 | 1-126-953-11 | ELECT 2200MF | 20% 35V |
| | 1-126-933-11 | ELECT 100MF | 20% 16V | C274 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| | | (KV-29X2B) | | C275 | 1-136-165-00 | FILM 0.1MF | 5% 50V |
| C108 | 1-126-964-11 | ELECT 10MF | 20% 50V | C280 | 1-126-967-11 | ELECT 47MF | 20% 16V |
| C109 | 1-102-951-00 | CERAMIC 15PF | 5% 50V | C281 | 1-104-661-91 | ELECT 330MF | 20% 16V |
| | | (KV-29X2B) | | C282 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C120 | 1-163-031-11 | CERAMIC CHIP 0.01MF | 50V | C283 | 1-164-489-11 | CERAMIC CHIP 0.22MF | 10% 16V |
| C201 | 1-163-078-11 | CERAMIC CHIP 0.033MF | 10% 25V | C285 | 1-164-489-11 | CERAMIC CHIP 0.22MF | 10% 16V |
| C202 | 1-163-078-11 | CERAMIC CHIP 0.033MF | 10% 25V | C351 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C203 | 1-107-823-11 | CERAMIC CHIP 0.47MF | 10% 16V | C352 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C204 | 1-107-823-11 | CERAMIC CHIP 0.47MF | 10% 16V | C355 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C205 | 1-126-964-11 | ELECT 10MF | 20% 50V | C356 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C206 | 1-164-161-11 | CERAMIC CHIP 0.0022MF | 10% 50V | C357 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C207 | 1-137-513-11 | FILM 0.0018MF | 2% 100V | C358 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| | | | | C359 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |

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| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|---------------------------|-----------------------|---------|---------|--------------|-----------------------|----------|
| C360 | 1-164-005-11 | CERAMIC CHIP 0.47MF | | C1127 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V |
| C361 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C1128 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% 50V |
| C362 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C1129 | 1-162-568-11 | CERAMIC CHIP 0.33MF | 25V |
| C364 | 1-126-964-11 | ELECT 10MF | 20% 50V | C1130 | 1-124-903-11 | ELECT 1MF | 20% 50V |
| C372 | 1-126-964-11 | ELECT 10MF | 20% 50V | C1131 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C373 | 1-126-964-11 | ELECT 10MF | 20% 50V | C1132 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C580 | 1-126-964-11 | ELECT 10MF | 20% 50V | C1133 | 1-126-967-11 | ELECT 47MF | 20% 16V |
| C581 | 1-124-902-00 | ELECT 0.47MF | 20% 50V | C1134 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C582 | 1-163-109-00 | CERAMIC CHIP 47PF | 5% 50V | C1135 | 1-163-125-00 | CERAMIC CHIP 220PF | 5% 50V |
| C585 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1136 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C586 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | C1137 | 1-163-095-00 | CERAMIC CHIP 12PF | 5% 50V |
| C587 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | C1139 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C588 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | C1142 | 1-164-299-11 | CERAMIC CHIP 0.22MF | 10% 25V |
| C589 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | C1143 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% 50V |
| C590 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | C1147 | 1-126-967-11 | ELECT 47MF | 20% 16V |
| C591 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | C1148 | 1-164-161-11 | CERAMIC CHIP 0.0022MF | 10% 50V |
| C592 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | C1150 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C593 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | C1151 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C594 | 1-126-967-11 | ELECT 47MF | 20% 50V | C1152 | 1-126-967-11 | ELECT 47MF | 20% 16V |
| C681 | 1-104-664-11 | ELECT 47MF | 20% 25V | C1157 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% 50V |
| C682 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1501 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V |
| C683 | 1-104-664-11 | ELECT 47MF | 20% 25V | C1502 | 1-124-903-11 | ELECT 1MF | 20% 50V |
| C684 | 1-104-664-11 | ELECT 47MF | 20% 25V | C1504 | 1-126-968-11 | ELECT 100MF | 20% 50V |
| C687 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1505 | 1-137-371-11 | FILM 0.015MF | 5% 50V |
| C688 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1506 | 1-164-161-11 | CERAMIC CHIP 0.0022MF | 10% 50V |
| C689 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | C1507 | 1-106-383-00 | MYLAR 0.047MF | 10% 100V |
| C690 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1508 | 1-137-423-11 | MYLAR 0.15MF | 10% 100V |
| C691 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1510 | 1-136-853-11 | FILM 0.56MF | 5% 200V |
| C692 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1511 | 1-126-941-11 | ELECT 470MF | 20% 25V |
| C693 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1512 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C1007 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V | C1513 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C1008 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1514 | 1-126-941-11 | ELECT 470MF | 20% 25V |
| | < C1101-C1157 FITTED ON > | | | C1516 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| | < KV-29K2B/29X2E > | | | C1518 | 1-126-963-11 | ELECT 4.7MF | 20% 50V |
| | | | | C1520 | 1-126-965-11 | ELECT 22MF | 20% 50V |
| C1101 | 1-163-131-00 | CERAMIC CHIP 390PF | 5% 50V | C1521 | 1-107-698-11 | ELECT 10MF | 20% 25V |
| C1102 | 1-163-093-00 | CERAMIC CHIP 10PF | 5% 50V | C1522 | 1-126-933-11 | ELECT 100MF | 20% 16V |
| C1103 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C1523 | 1-104-664-11 | ELECT 47MF | 20% 25V |
| C1104 | 1-126-964-11 | ELECT 10MF | 20% 50V | C1531 | 1-110-501-11 | CERAMIC CHIP 0.33MF | 10% 16V |
| C1105 | 1-126-964-11 | ELECT 10MF | 20% 50V | C1532 | 1-126-964-11 | ELECT 10MF | 20% 50V |
| C1106 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C1533 | 1-163-103-00 | CERAMIC CHIP 27PF | 5% 50V |
| C1107 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1534 | 1-164-489-11 | CERAMIC CHIP 0.22MF | 10% 16V |
| C1108 | 1-126-964-11 | ELECT 10MF | 20% 50V | C1535 | 1-110-501-11 | CERAMIC CHIP 0.33MF | 10% 16V |
| C1110 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% 25V | C1537 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C1111 | 1-164-489-11 | CERAMIC CHIP 0.22MF | 10% 16V | C1539 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C1112 | 1-164-489-11 | CERAMIC CHIP 0.22MF | 10% 16V | C1540 | 1-126-967-11 | ELECT 47MF | 20% 50V |
| C1113 | 1-163-137-00 | CERAMIC CHIP 680PF | 5% 50V | C1541 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V |
| C1114 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1542 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C1115 | 1-164-161-11 | CERAMIC CHIP 0.0022MF | 10% 50V | C1543 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C1116 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1544 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| C1117 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C1545 | 1-107-823-11 | CERAMIC CHIP 0.47MF | 10% 16V |
| C1118 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1546 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C1119 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1547 | 1-164-695-11 | CERAMIC CHIP 0.0022MF | 5% 50V |
| C1120 | 1-163-137-00 | CERAMIC CHIP 680PF | 5% 50V | C1548 | 1-163-055-00 | CERAMIC CHIP 0.0047MF | 10% 50V |
| C1121 | 1-164-299-11 | CERAMIC CHIP 0.22MF | 10% 25V | C1549 | 1-163-055-00 | CERAMIC CHIP 0.0047MF | 10% 50V |
| C1122 | 1-126-967-11 | ELECT 47MF | 20% 16V | C1550 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| C1123 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C1551 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% 50V |
| C1124 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | C1552 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% 50V |
| C1125 | 1-107-823-11 | CERAMIC CHIP 0.47MF | 10% 16V | C1553 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |
| C1126 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% 50V | C1554 | 1-163-038-00 | CERAMIC CHIP 0.1MF | 25V |

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| REF.NO. | PART NO. | DESCRIPTION | | | REMARK | REF.NO. | PART NO. | DESCRIPTION | | REMARK |
|---------|----------------|-------------------------------|----------|-----|--------|---------|---------------|----------------------|--|--------|
| C1555 | 1-126-967-11 | ELECT | 47MF | 20% | 50V | CN0115 | *1-568-881-51 | PIN, CONNECTOR 6P | | |
| C1556 | 1-126-968-11 | ELECT | 100MF | 20% | 50V | | | < DIODE > | | |
| C1558 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V | D001 | 8-719-027-82 | DIODE MA3039H-TX | | |
| C1559 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V | D003 | 8-719-914-42 | DIODE DA204K | | |
| C1560 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | D004 | 8-719-914-44 | DIODE DAP202K | | |
| C1561 | 1-104-760-11 | CERAMIC CHIP | 0.047MF | 10% | 50V | D068 | 8-719-914-44 | DIODE DAP202K | | |
| C1562 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V | D069 | 8-719-914-44 | DIODE DAP202K | | |
| C1563 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V | D071 | 8-719-109-89 | DIODE RD5.6ESB2 | | |
| C1564 | 1-164-336-11 | CERAMIC CHIP | 0.33MF | 25V | | D073 | 8-719-109-89 | DIODE RD5.6ESB2 | | |
| C1567 | 1-124-903-11 | ELECT | 1MF | 20% | 50V | D075 | 8-719-914-43 | DIODE DAN202K | | |
| C1568 | 1-164-344-11 | CERAMIC CHIP | 0.068MF | 10% | 25V | D077 | 8-719-914-43 | DIODE DAN202K | | |
| C1569 | 1-163-009-11 | CERAMIC CHIP | 0.001MF | 10% | 50V | D078 | 8-719-109-89 | DIODE RD5.6ESB2 | | |
| C1570 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | D079 | 8-719-109-89 | DIODE RD5.6ESB2 | | |
| C1571 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | D101 | 8-719-982-27 | DIODE MTZJ-33C | | |
| C1572 | 1-126-934-11 | ELECT | 220MF | 20% | 16V | D201 | 8-719-914-42 | DIODE DA204K | | |
| C1585 | 1-124-903-11 | ELECT | 1MF | 20% | 50V | D251 | 8-719-991-33 | DIODE ISS133T-77 | | |
| C1586 | 1-124-902-00 | ELECT | 0.47MF | 20% | 50V | D252 | 8-719-991-33 | DIODE ISS133T-77 | | |
| C1587 | 1-126-967-11 | ELECT | 47MF | 20% | 50V | D253 | 8-719-991-33 | DIODE ISS133T-77 | | |
| C1588 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | D254 | 8-719-991-33 | DIODE ISS133T-77 | | |
| C1589 | 1-162-587-11 | CERAMIC CHIP | 0.039MF | 10% | 25V | D255 | 8-719-914-43 | DIODE DAN202K | | |
| C1590 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V | D260 | 8-719-991-33 | DIODE ISS133T-77 | | |
| C1593 | 1-126-965-11 | ELECT | 22MF | 20% | 50V | D261 | 8-719-991-33 | DIODE ISS133T-77 | | |
| C2001 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V | D262 | 8-719-991-33 | DIODE ISS133T-77 | | |
| C2002 | 1-163-235-11 | CERAMIC CHIP | 22PF | 5% | 50V | D263 | 8-719-914-43 | DIODE DAN202K | | |
| C2003 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V | D265 | 8-719-914-42 | DIODE DA204K | | |
| C2004 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V | D351 | 8-719-991-33 | DIODE ISS133T-77 | | |
| C2005 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V | D581 | 8-719-914-43 | DIODE DAN202K | | |
| C2007 | 1-126-965-11 | ELECT | 22MF | 20% | 50V | D1001 | 8-719-914-44 | DIODE DAP202K | | |
| C2008 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V | D1002 | 8-719-914-43 | DIODE DAN202K | | |
| C2010 | 1-163-038-00 | CERAMIC CHIP | 0.1MF | | 25V | D1003 | 8-719-914-43 | DIODE DAN202K | | |
| C2011 | 1-107-823-11 | CERAMIC CHIP | 0.47MF | 10% | 16V | D1101 | 8-719-914-43 | DIODE DAN202K | | |
| C2012 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | D1102 | 8-719-820-71 | (KV-29X2B/29X2E) | | |
| C2013 | 1-164-004-11 | CERAMIC CHIP | 0.1MF | 10% | 25V | D1503 | 8-719-908-03 | DIODE GP08D | | |
| C2014 | 1-163-141-00 | CERAMIC CHIP | 0.001MF | 5% | 50V | D1504 | 8-719-110-41 | DIODE RD15ES-B2 | | |
| C2016 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V | D1505 | 8-719-914-43 | DIODE DAN202K | | |
| C2017 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V | D1510 | 8-719-914-42 | DIODE DA204K | | |
| C2019 | 1-126-965-11 | ELECT | 22MF | 20% | 50V | D1511 | 8-719-982-03 | DIODE MTZJ-3.6A | | |
| C2020 | 1-164-346-11 | CERAMIC CHIP | 1MF | | 16V | D1530 | 8-719-914-43 | DIODE DAN202K | | |
| C2024 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V | D1533 | 8-719-400-75 | DIODE MA309I | | |
| C2025 | 1-163-117-00 | CERAMIC CHIP | 100PF | 5% | 50V | D1534 | 8-719-914-43 | DIODE DAN202K | | |
| C2027 | 1-164-222-11 | CERAMIC CHIP | 0.22MF | | 25V | D1536 | 8-719-105-82 | DIODE RD5.1ES-B2 | | |
| C2031 | 1-163-031-11 | CERAMIC CHIP | 0.01MF | | 50V | D1537 | 8-719-914-43 | DIODE DAN202K | | |
| C2032 | 1-126-933-11 | ELECT | 100MF | 20% | 16V | D1539 | 8-719-914-42 | DIODE DA204K | | |
| C2701 | 1-126-964-11 | ELECT | 10MF | 20% | 50V | D1542 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| C2702 | 1-126-967-11 | ELECT | 47MF | 20% | 16V | D1543 | 8-719-914-42 | DIODE DA204K | | |
| C2706 | 1-163-003-11 | CERAMIC CHIP | 330PF | 10% | 50V | D1544 | 8-719-914-42 | DIODE DA204K | | |
| | < OSCILLATOR > | | | | | D1545 | 8-719-914-42 | DIODE DA204K | | |
| CD001 | 1-527-992-31 | OSCILLATOR, CERAMIC | | | | D1546 | 8-719-109-97 | DIODE RD6.8ES-B2 | | |
| | < CONNECTOR > | | | | | D2001 | 8-719-036-58 | DIODE MA3030-H(TX) | | |
| CN0001 | *1-564-520-11 | PLUG, CONNECTOR 5P | | | | D2004 | 8-719-914-43 | DIODE DAN202K | | |
| CN0002 | *1-568-878-51 | PIN, CONNECTOR 3P | | | | D2701 | 8-719-914-44 | DIODE DAP202K | | |
| CN0102 | 1-695-299-11 | CONNECTOR, BOARD TO BOARD 50P | | | | < IC > | | | | |
| CN0105 | 1-764-608-11 | CONNECTOR, BOARD TO BOARD 8P | | | | IC001 | 8-759-351-92 | IC SDA30C164-GEG | | |
| CN0106 | 1-695-298-11 | CONNECTOR, BOARD TO BOARD 40P | | | | IC002 | 8-759-353-72 | IC TMS27PC020-15PM | | |
| CN0107 | 1-695-297-11 | CONNECTOR, BOARD TO BOARD 20P | | | | IC072 | 8-759-184-27 | IC ST24C16CB1 | | |
| CN0111 | *1-568-882-51 | PIN, CONNECTOR 7P | | | | IC201 | 8-759-348-87 | IC TDA6812-2MGE | | |
| CN0113 | *1-568-879-11 | PIN, CONNECTOR 4P | | | | IC202 | 8-759-502-21 | IC TDA2822M | | |
| CN0114 | *1-564-511-11 | PLUG, CONNECTOR 8P | | | | IC251 | 8-759-190-89 | IC TDA7265 | | |

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The components identified by shading and marked are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|--------------|---------------------------------|------------------------|--------------|---------------------------|-----------------------------------------|------------------|
| IC351 | 8-759-183-36 | IC TDA8443B | | Q281 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| IC572 | 8-752-070-54 | IC CXA1839Q-T6 | | Q282 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| IC681 | 8-759-518-68 | IC PQ12RF21 | | Q351 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| | 4-202-373-01 | SPRING, IC ;IC681 | | Q352 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| | | | | Q571 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| IC683 | 8-759-908-15 | IC TL431CLP | | Q581 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| IC684 | 8-759-195-63 | IC PQ09RE11 | | Q681 | 8-729-032-65 | TRANSISTOR 2SD2396H | |
| IC685 | 8-759-510-52 | IC TEA7605 | | Q1105 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR (KV-29X2B/29X2E) | |
| IC686 | 8-759-513-71 | IC PQ05RF21 | | Q1106 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR (KV-29X2B/29X2E) | |
| | 4-202-373-01 | SPRING, IC ;IC686 | | Q1107 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR (KV-29X2B/29X2E) | |
| IC1001 | 8-752-873-28 | IC CXP85112B-646Q-TL | | Q1108 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR (KV-29X2B/29X2E) | |
| IC1101 | 8-759-251-58 | IC SAA7283GP (KV-29X2B/29X2E) | | Q1503 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| IC1501 | 8-759-192-71 | IC STV9379 | | Q1504 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| | 4-202-373-01 | SPRING, IC ;IC1501 | | Q1505 | 8-729-931-45 | TRANSISTOR IRF610 | |
| IC1531 | 8-752-068-39 | IC CXA1840S | | Q1506 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| IC2001 | 8-759-248-91 | IC SDA9086-5 | | Q1507 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| IC2002 | 8-759-337-48 | IC SDA5273P-C26-GEG | | Q1508 | 8-729-027-59 | TRANSISTOR DTC144EKA-T146 | |
| IC2003 | 8-759-188-60 | IC MB81C4256A-70PSZG | | Q1510 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| IC2701 | 8-759-603-37 | IC M5216P | | Q1511 | 8-729-027-59 | TRANSISTOR DTC144EKA-T146 | |
| | | < IF BLOCK > | | Q1512 | 8-729-027-59 | TRANSISTOR DTC144EKA-T146 | |
| IFB101 | 1-473-191-11 | IF BLOCK (KV-29X2A/29X2D/29X2E) | | Q1531 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| | 1-467-573-13 | IF BLOCK (KV-29X2B) | | Q1532 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| | | < COIL > | | Q1533 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| L001 | 1-408-421-00 | INDUCTOR | 100UH | Q1544 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| L101 | 1-408-607-31 | INDUCTOR | 22UH | Q1545 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| L201 | 1-410-067-21 | INDUCTOR | 4.7MMH | | | | |
| L1002 | 1-408-397-00 | INDUCTOR | 1UH | Q1547 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| L1101 | 1-412-004-31 | INDUCTOR CHIP | 6.8UH (KV-29X2B/29X2E) | Q1548 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| | | | Q1549 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | |
| L1102 | 1-408-419-00 | INDUCTOR | 68UH (KV-29X2B/29X2E) | Q1550 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| L1103 | 1-408-419-00 | INDUCTOR | 68UH (KV-29X2B/29X2E) | Q2001 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| L1501 | 1-412-524-11 | INDUCTOR | 8.2UH | Q2002 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| L1531 | 1-412-537-31 | INDUCTOR | 100UH | Q2004 | 8-729-027-52 | TRANSISTOR DTC144EKA-T146 | |
| L2001 | 1-410-674-31 | INDUCTOR | 82UH | Q2005 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| | | | Q2006 | 8-729-027-59 | TRANSISTOR DTC144EKA-T146 | | |
| L2002 | 1-410-397-21 | FERRITE BEAD INDUCTOR | 1.1UH | Q2008 | 8-729-027-52 | TRANSISTOR DTC144EKA-T146 | |
| | | < IC LINK > | | Q2701 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | |
| | | | | | | < RESISTOR > | |
| PR581 | 1-532-637-91 | LINN, IC (ICP-N25) 1A | | JR001 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| | | < TRANSISTOR > | | JR002 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q002 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | JR003 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q005 | 8-729-027-59 | TRANSISTOR DTC144EKA-T146 | | JR101 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q006 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR102 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q007 | 8-729-027-59 | TRANSISTOR DTC144EKA-T146 | | JR103 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q008 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR201 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| | | | | JR202 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q009 | 8-729-027-52 | TRANSISTOR DTC144EKA-T146 | | | | | (KV-29X2A/29X2D) |
| Q010 | 8-729-027-52 | TRANSISTOR DTC144EKA-T146 | | | | | (KV-29X2A/29X2D) |
| Q011 | 8-729-027-52 | TRANSISTOR DTC144EKA-T146 | | JR203 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q102 | 8-729-027-52 | TRANSISTOR DTC144EKA-T146 | | JR204 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q103 | 8-729-027-52 | TRANSISTOR DTC144EKA-T146 | | JR279 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q106 | 8-729-821-00 | TRANSISTOR 2SA1207 | | JR280 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q107 | 8-729-255-12 | TRANSISTOR 2SC2551-0 | | JR361 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q203 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR362 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q252 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR363 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q253 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | JR103 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q254 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR1501 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q255 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR2002 | 1-216-295-00 | METAL GLAZE | 0 5% 1/1W |
| Q256 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R001 | 1-216-025-00 | METAL GLAZE | 100 5% 1/1W |
| Q257 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R002 | 1-216-025-00 | METAL GLAZE | 100 5% 1/1W |
| Q258 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | | | | |

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| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|--------------|-------------|---------------|---------|--------------|-------------|------------------|
| R003 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | R116 | 1-215-901-00 | METAL OXIDE | 33K 5% 2W F |
| R004 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R121 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W |
| R006 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R127 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W |
| R007 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R201 | 1-216-661-11 | METAL CHIP | 2.7K 0.50% 1/10W |
| R008 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R202 | 1-216-662-11 | METAL CHIP | 3K 0.50% 1/10W |
| R009 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | R203 | 1-216-661-11 | METAL CHIP | 2.7K 0.50% 1/10W |
| R010 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R204 | 1-216-662-11 | METAL CHIP | 3K 0.50% 1/10W |
| R012 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R205 | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1/10W |
| R013 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R206 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W |
| R014 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R207 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R016 | 1-216-045-00 | METAL GLAZE | 680 5% 1/10W | R208 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W |
| R017 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R209 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R018 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R210 | 1-247-734-11 | CARBON | 39 5% 1/2W |
| R020 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R211 | 1-247-734-11 | CARBON | 39 5% 1/2W |
| R021 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R212 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| R022 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R213 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| R025 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R214 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| R028 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W | R218 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F |
| R029 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R219 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F |
| R030 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R221 | 1-216-091-00 | METAL GLAZE | 56K 5% 1/10W |
| R031 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | R222 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F |
| R032 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R241 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R033 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R245 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R034 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | R246 | 1-216-097-00 | METAL GLAZE | 100K 5% 1/10W |
| R035 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | R247 | 1-216-097-00 | METAL GLAZE | 100K 5% 1/10W |
| R036 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | R248 | 1-216-055-00 | METAL GLAZE | 1.8K 5% 1/10W |
| R037 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R249 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W |
| R038 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R250 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R047 | 1-216-101-00 | METAL GLAZE | 150K 5% 1/10W | R251 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R048 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R253 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R049 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R257 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W |
| R050 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R258 | 1-216-075-00 | METAL GLAZE | 12K 5% 1/10W |
| R051 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | R259 | 1-216-075-00 | METAL GLAZE | 12K 5% 1/10W |
| R052 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | R260 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W |
| R054 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W | R261 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R062 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R262 | 1-216-357-00 | METAL OXIDE | 4.7 5% 1W F |
| R067 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W | R263 | 1-216-357-00 | METAL OXIDE | 4.7 5% 1W F |
| R068 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W | R264 | 1-216-075-00 | METAL GLAZE | 12K 5% 1/10W |
| R069 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W | R265 | 1-216-079-00 | METAL GLAZE | 18K 5% 1/10W |
| R070 | 1-216-017-91 | METAL GLAZE | 47 5% 1/10W | R266 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R071 | 1-216-017-91 | METAL GLAZE | 47 5% 1/10W | R267 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R072 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R268 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R073 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R269 | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W |
| R074 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R270 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R075 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W | R271 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R076 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W | R272 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| R077 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W | R273 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R078 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W | R274 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R083 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R275 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| R085 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R276 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R101 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R277 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R102 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R278 | 1-216-103-00 | METAL GLAZE | 180K 5% 1/10W |
| R105 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R279 | 1-216-103-00 | METAL GLAZE | 180K 5% 1/10W |
| R108 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | R291 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R109 | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W | R292 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R110 | 1-216-079-00 | METAL GLAZE | 18K 5% 1/10W | R293 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W |
| R111 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W | R294 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W |
| R113 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W | R295 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R114 | 1-216-202-00 | METAL GLAZE | 1.5K 5% 1/10W | R296 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R115 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R297 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W |

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| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|--------------|-------------|--------------------------------------|---------|--------------|-------------|---------------------------------------------------|
| R298 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W | R1028 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R299 | 1-216-053-00 | METAL GLAZE | 1.5K 5% 1/10W | | | | |
| R351 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | | | | < R1101 - R1151 FITTED ON > < KV-29X2B/29X2E > |
| R352 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R1101 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| R353 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R1102 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R354 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R1103 | 1-216-134-00 | METAL GLAZE | 2.2 5% 1/8W |
| R355 | 1-216-055-00 | METAL GLAZE | 1.8K 5% 1/10W | R1104 | 1-216-085-00 | METAL GLAZE | 33K 5% 1/10W |
| R356 | 1-216-055-00 | METAL GLAZE | 1.8K 5% 1/10W | R1105 | 1-216-055-00 | METAL GLAZE | 1.8K 5% 1/10W |
| R357 | 1-216-055-00 | METAL GLAZE | 1.8K 5% 1/10W | R1106 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R358 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R1107 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R364 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W (KV-29X2A/29X2D/29X2E) | R1108 | 1-216-121-91 | METAL GLAZE | 1M 5% 1/10W |
| R365 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W (KV-29X2A/29X2D/29X2E) | R1109 | 1-216-121-91 | METAL GLAZE | 1M 5% 1/10W |
| | | | | R1110 | 1-216-150-91 | METAL GLAZE | 10 5% 1/8W |
| R366 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W (KV-29X2A/29X2D/29X2E) | R1111 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| R367 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W (KV-29X2B) | R1112 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| R369 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R1113 | 1-216-117-00 | METAL GLAZE | 680K 5% 1/10W |
| R371 | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W | R1114 | 1-216-158-00 | METAL GLAZE | 22 5% 1/8W |
| R372 | 1-216-043-91 | METAL GLAZE | 560 5% 1/10W | R1115 | 1-216-121-91 | METAL GLAZE | 1M 5% 1/10W |
| R373 | 1-216-097-00 | METAL GLAZE | 100K 5% 1/10W | R1116 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W |
| R375 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | R1117 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| R376 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | R1118 | 1-216-134-00 | METAL GLAZE | 2.2 5% 1/8W |
| R377 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R1119 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W |
| R378 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R1120 | 1-216-097-00 | METAL GLAZE | 100K 5% 1/10W |
| R379 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R1121 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W |
| R380 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1122 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R384 | 1-216-022-00 | METAL GLAZE | 75 5% 1/10W | R1123 | 1-216-097-00 | METAL GLAZE | 100K 5% 1/10W |
| R385 | 1-216-022-00 | METAL GLAZE | 75 5% 1/10W | R1124 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W |
| R386 | 1-216-022-00 | METAL GLAZE | 75 5% 1/10W | R1125 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R575 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R1126 | 1-216-049-00 | METAL GLAZE | 100K 5% 1/10W |
| R576 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R1127 | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W |
| R578 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1128 | 1-216-045-00 | METAL GLAZE | 680 5% 1/10W |
| R579 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1129 | 1-216-097-00 | METAL GLAZE | 100K 5% 1/10W |
| R580 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1130 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W |
| R581 | 1-216-685-11 | METAL CHIP | 27K 0.50% 1/10W | R1131 | 1-216-001-00 | METAL GLAZE | 10 5% 1/10W |
| R582 | 1-216-047-91 | METAL GLAZE | 820 5% 1/10W | R1132 | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W |
| R583 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1133 | 1-216-045-00 | METAL GLAZE | 680 5% 1/10W |
| R584 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R1134 | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W |
| R587 | 1-216-017-91 | METAL GLAZE | 47 5% 1/10W | R1135 | 1-216-045-00 | METAL GLAZE | 680 5% 1/10W |
| R588 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W | R1136 | 1-216-079-00 | METAL GLAZE | 18K 5% 1/10W |
| R681 | 1-216-471-11 | METAL OXIDE | 27 5% 3W F | R1137 | 1-216-667-11 | METAL CHIP | 4.7K 0.50% 1/10W |
| R682 | 1-249-407-11 | CARBON | 150 5% 1/4W | R1138 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R683 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W | R1139 | 1-215-455-00 | METAL | 27K 1% 1/4W |
| R684 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W | R1140 | 1-249-385-11 | CARBON | 2.2 5% 1/4W F |
| R685 | 1-247-807-31 | CARBON | 100 5% 1/4W | R1141 | 1-216-371-00 | METAL OXIDE | 1.5 5% 2W F |
| R1001 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1142 | 1-216-475-11 | METAL OXIDE | 120 5% 3W F |
| R1005 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1143 | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W |
| R1007 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R1144 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| R1008 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R1145 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W |
| R1009 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R1146 | 1-216-105-91 | METAL GLAZE | 220K 5% 1/10W |
| R1019 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R1147 | 1-216-105-91 | METAL GLAZE | 220K 5% 1/10W |
| R1020 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R1148 | 1-216-045-00 | METAL GLAZE | 680 5% 1/10W |
| R1022 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R1149 | 1-216-079-00 | METAL GLAZE | 18K 5% 1/10W |
| R1023 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1150 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R1024 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1151 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R1025 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1152 | 1-216-133-00 | METAL GLAZE | 3.3M 5% 1/10W |
| R1026 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1153 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W |
| R1027 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1154 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| R1027 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R1155 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |

A

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK | | | | |
|---------|--------------|-------------|------------------|----------------|--------------|------------------------------------|---------------|--|--|--|--|
| R1540 | 1-216-045-00 | METAL GLAZE | 680 5% 1/10W | R1613 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W | | | | |
| R1541 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W | R1615 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | | | | |
| R1542 | 1-216-182-00 | METAL GLAZE | 220 5% 1/8W | R1616 | 1-216-105-91 | METAL GLAZE | 220K 5% 1/10W | | | | |
| R1543 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R1617 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | | | | |
| R1544 | 1-216-033-00 | METAL GLAZE | 220 5% 1/10W | R1618 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | | | | |
| R1545 | 1-216-673-11 | METAL CHIP | 8.2K 0.50% 1/10W | R1619 | 1-216-133-00 | METAL GLAZE | 3.3M 5% 1/10W | | | | |
| R1546 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R2002 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | | | | |
| R1547 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R2003 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | | | | |
| R1548 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | R2005 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W | | | | |
| R1549 | 1-216-045-00 | METAL GLAZE | 680 5% 1/10W | R2007 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | | | | |
| R1553 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R2008 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | | | | |
| R1554 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R2009 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | | | | |
| R1555 | 1-216-045-00 | METAL GLAZE | 1K 5% 1/10W | R2010 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | | | | |
| R1556 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W | R2011 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | | | | |
| R1557 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | R2012 | 1-216-017-91 | METAL GLAZE | 47 5% 1/10W | | | | |
| R1558 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | R2013 | 1-216-017-91 | METAL GLAZE | 47 5% 1/10W | | | | |
| R1559 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R2014 | 1-216-017-91 | METAL GLAZE | 47 5% 1/10W | | | | |
| R1561 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | R2022 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | | | | |
| R1562 | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W | R2023 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | | | | |
| R1563 | 1-216-077-00 | METAL GLAZE | 15K 5% 1/10W | R2024 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | | | | |
| R1564 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W | R2025 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W | | | | |
| R1565 | 1-216-282-00 | METAL GLAZE | 3.3M 5% 1/8W | R2026 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | | | | |
| R1566 | 1-216-103-00 | METAL GLAZE | 180K 5% 1/10W | R2029 | 1-216-091-00 | METAL GLAZE | 56K 5% 1/10W | | | | |
| R1569 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R2030 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W | | | | |
| R1570 | 1-216-095-00 | METAL GLAZE | 82K 5% 1/10W | R2031 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | | | | |
| R1571 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W | R2032 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | | | | |
| R1572 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R2033 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | | | | |
| R1573 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W | R2034 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | | | | |
| R1574 | 1-216-053-00 | METAL GLAZE | 1.5K 5% 1/10W | R2035 | 1-216-069-00 | METAL GLAZE | 6.8K 5% 1/10W | | | | |
| R1575 | 1-216-085-00 | METAL GLAZE | 33K 5% 1/10W | R2036 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | | | | |
| R1576 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R2037 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | | | | |
| R1577 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W | R2038 | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W | | | | |
| R1578 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R2039 | 1-216-093-00 | METAL GLAZE | 68K 5% 1/10W | | | | |
| R1579 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | R2040 | 1-216-125-00 | METAL GLAZE | 1.5M 5% 1/10W | | | | |
| R1580 | 1-215-867-00 | METAL OXIDE | 470 5% 1W F | R2701 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | | | | |
| R1581 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | R2702 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | | | | |
| R1582 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W | R2703 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | | | | |
| R1583 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | R2704 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | | | | |
| R1584 | 1-208-822-11 | METAL CHIP | 47K 0.50% 1/10W | R2705 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | | | | |
| R1585 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | R2706 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | | | | |
| R1586 | 1-208-806-11 | METAL CHIP | 10K 0.50% 1/10W | R2707 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | | | | |
| R1587 | 1-216-677-11 | METAL CHIP | 12K 0.50% 1/10W | R2708 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | | | | |
| R1588 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | R2713 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | | | | |
| R1589 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | < THERMISTOR > | | | | | | | |
| R1591 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W | TH1501 | 1-800-193-00 | THERMISTOR | | | | | |
| R1592 | 1-216-069-00 | METAL GLAZE | 6.8K 5% 1/10W | < TUNER > | | | | | | | |
| R1593 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | TU101 | 8-598-361-00 | TUNER (BTP-AC402) | | | | | |
| R1594 | 1-216-286-00 | METAL GLAZE | 4.7M 5% 1/8W | < CRYSTAL > | | | | | | | |
| R1595 | 1-216-071-00 | METAL GLAZE | 8.2K 5% 1/10W | X1001 | 1-577-082-11 | VIBRATOR, CERAMIC | | | | | |
| R1597 | 1-216-103-00 | METAL GLAZE | 180K 5% 1/10W | X1101 | 1-579-689-21 | VIBRATOR, CRYSTAL (KV-29X2B/29X2E) | | | | | |
| R1601 | 1-216-083-00 | METAL GLAZE | 27K 5% 1/10W | X1531 | 1-760-895-21 | VIBRATOR, CERAMIC | | | | | |
| R1602 | 1-216-129-00 | METAL GLAZE | 2.2M 5% 1/10W | X2001 | 1-760-551-21 | VIBRATOR, CERAMIC | | | | | |
| R1604 | 1-216-063-91 | METAL GLAZE | 3.9K 5% 1/10W | | | | | | | | |
| R1605 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | | | | | | | | |
| R1607 | 1-216-101-00 | METAL GLAZE | 150K 5% 1/10W | | | | | | | | |
| R1608 | 1-216-119-00 | METAL GLAZE | 820K 5% 1/10W | | | | | | | | |
| R1609 | 1-216-055-00 | METAL GLAZE | 1.8K 5% 1/10W | | | | | | | | |
| R1610 | 1-216-075-00 | METAL GLAZE | 12K 5% 1/10W | | | | | | | | |
| R1611 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | | | | | | | | |
| R1612 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | | | | | | | | |

IF (KV-29X2A/29X2D/29X2E)

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK | | | | | |
|-----------------------------------------|--------------|----------------------------------------------------------|--------|---------|----------------|-----------------|------------------------|-----------------|--|--|--|--|
| | 1-473-191-11 | IF BLOCK (IFH-389WE) (KV-29X2A/29X2D/ ***** 29X2E) | | IC02 | 8-759-514-54 | IC BA7045 | | | | | | |
| | | | | IC03 | 8-759-991-41 | IC L78L05ACZ-AP | | | | | | |
| < CAPACITOR > | | | | | | | | | | | | |
| C01 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V | L01 | 1-408-409-00 | INDUCTOR | 10UH | | | | |
| C02 | 1-164-299-11 | CERAMIC CHIP 0.22MF | 10% | 25V | L02 | 1-403-586-11 | COIL | | | | | |
| C03 | 1-164-337-11 | CERAMIC CHIP 2.2MF | | 16V | L03 | 1-408-419-00 | INDUCTOR | 68UH | | | | |
| C04 | 1-164-337-11 | CERAMIC CHIP 2.2MF | | 16V | L04 | 1-408-419-00 | INDUCTOR | 68UH | | | | |
| C05 | 1-126-965-11 | ELECT 22MF | 20% | 50V | L05 | 1-410-790-41 | INDUCTOR | 0.56UH | | | | |
| C06 | 1-126-965-11 | ELECT 22MF | 20% | 50V | L06 | 1-408-419-00 | INDUCTOR | 68UH | | | | |
| C07 | 1-163-019-00 | CERAMIC CHIP 0.0068MF | 10% | 50V | < TRANSISTOR > | | | | | | | |
| C08 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% | 50V | Q01 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | | | | |
| C09 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V | Q02 | 8-729-901-01 | TRANSISTOR DTC144EK | | | | | |
| C10 | 1-163-090-00 | CERAMIC CHIP 7PF | 0.25PF | 50V | Q03 | 8-729-901-01 | TRANSISTOR DTC144EK | | | | | |
| C11 | 1-164-337-11 | CERAMIC CHIP 2.2MF | | 16V | Q04 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | | | | |
| C12 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V | Q05 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | | | | |
| C13 | 1-124-910-11 | ELECT 47MF | 20% | 50V | Q06 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | | | | |
| C14 | 1-124-910-11 | ELECT 47MF | 20% | 50V | Q07 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | | | | |
| C15 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V | Q08 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | | | | |
| C16 | 1-164-346-11 | CERAMIC CHIP 1MF | | 16V | Q09 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | | | | |
| C17 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V | < RESISTOR > | | | | | | | |
| C18 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% | 50V | JR01 | 1-216-296-91 | METAL GLAZE | 0 5% 1/W | | | | |
| C19 | 1-164-346-11 | CERAMIC CHIP 1MF | | 16V | JR02 | 1-216-296-91 | METAL GLAZE | 0 5% 1/W | | | | |
| C20 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% | 50V | JR03 | 1-216-296-91 | METAL GLAZE | 0 5% 1/W | | | | |
| C21 | 1-164-222-11 | CERAMIC CHIP 0.22MF | | 25V | JR04 | 1-216-296-91 | METAL GLAZE | 0 5% 1/W | | | | |
| C22 | 1-124-910-11 | ELECT 47MF | 20% | 50V | JR05 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | | | | |
| C23 | 1-124-910-11 | ELECT 47MF | 20% | 50V | JR06 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | | | | |
| C24 | 1-124-910-11 | ELECT 47MF | 20% | 50V | JR10 | 1-216-296-91 | METAL GLAZE | 0 5% 1/W | | | | |
| C25 | 1-124-910-11 | ELECT 47MF | 20% | 50V | JR11 | 1-216-296-91 | METAL GLAZE | 0 5% 1/W | | | | |
| C26 | 1-124-910-11 | ELECT 47MF | 20% | 50V | R01 | 1-216-031-00 | METAL GLAZE | 180 5% 1/10W | | | | |
| C27 | 1-163-133-00 | CERAMIC CHIP 470PF | 5% | 50V | R02 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | | | | |
| C28 | 1-124-910-11 | ELECT 47MF | 20% | 50V | R03 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | | | | |
| C29 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V | R04 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W | | | | |
| C30 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% | 50V | R05 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W | | | | |
| C31 | 1-124-910-11 | ELECT 47MF | 20% | 50V | R06 | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1/10W | | | | |
| C32 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% | 25V | R07 | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1/10W | | | | |
| C33 | 1-163-086-00 | CERAMIC CHIP 3PF | 0.25PF | 50V | R08 | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W | | | | |
| C34 | 1-124-910-11 | ELECT 47MF | 20% | 50V | R09 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W | | | | |
| C35 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% | 50V | R10 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | | | | |
| < FILTER > | | | | | | | | | | | | |
| CF01 | 1-760-416-21 | FILTER, CERAMIC | | | R11 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | | | | |
| CF03 | 1-760-450-11 | FILTER, CERAMIC | | | R12 | 1-216-113-00 | METAL GLAZE | 470K 5% 1/10W | | | | |
| CF04 | 1-760-106-11 | TRAP, CERAMIC | | | R13 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | | | | |
| CF05 | 1-404-134-00 | TRAP, CERAMIC (5.5MHZ) | | | R14 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | | | | |
| SAW01 1-760-538-11 FILTER, SURFACE WAVE | | | | | | | | | | | | |
| < CONNECTOR > | | | | | | | | | | | | |
| CN01 | 1-750-919-11 | PIN, CONNECTOR (PC BOARD) 10P | | | R17 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W | | | | |
| CN02 | 1-750-919-11 | PIN, CONNECTOR (PC BOARD) 10P | | | R18 | 1-216-093-00 | METAL GLAZE | 68K 5% 1/10W | | | | |
| < DIODE > | | | | | | | | | | | | |
| D01 | 8-719-421-57 | DIODE MA73-TX | | | R19 | 1-216-242-91 | METAL GLAZE | 68K 5% 1/W | | | | |
| D02 | 8-719-421-57 | DIODE MA73-TX | | | R20 | 1-216-033-00 | METAL GLAZE | 180 5% 1/10W | | | | |
| D03 | 8-719-914-43 | DIODE DAN202K | | | R21 | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W | | | | |
| < IC > | | | | | | | | | | | | |
| IC01 | 8-759-289-18 | IC TDA9813T-T | | | R22 | 1-216-025-91 | METAL GLAZE | 100 5% 1/DW | | | | |
| | | | | | R23 | 1-218-755-11 | METAL CHIP | 130K 0.50% 1/DW | | | | |
| | | | | | R24 | 1-216-206-00 | METAL GLAZE | 2.2K 5% 1/W | | | | |
| | | | | | R25 | 1-216-107-00 | METAL GLAZE | 270K 5% 1/DW | | | | |
| | | | | | R26 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/DW | | | | |
| | | | | | R27 | 1-216-113-00 | METAL GLAZE | 470K 5% 1/DW | | | | |
| | | | | | R28 | 1-216-113-00 | METAL GLAZE | 470K 5% 1/DW | | | | |
| | | | | | R29 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/DW | | | | |
| | | | | | R30 | 1-216-198-91 | METAL GLAZE | 1K 5% 1/W | | | | |

IF (KV-29X2A/29X2D/29X2E)

IF (KV-29X2B)

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|----------------------------------------------|--------------|-----------------------|---------------|---------|--------------|-------------------------------|-----------|
| R31 | 1-216-198-91 | METAL GLAZE | 1K 5% 1/8W | C161 | 1-124-477-11 | ELECT 47MF | 20% 16V |
| R32 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | C162 | 1-124-477-11 | ELECT 47MF | 20% 16V |
| R33 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W | C173 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% 50V |
| R34 | 1-216-095-00 | METAL GLAZE | 82K 5% 1/10W | C174 | 1-163-227-11 | CERAMIC CHIP 10PF | 0.5PF 50V |
| R35 | 1-216-083-00 | METAL GLAZE | 27K 5% 1/10W | C175 | 1-163-227-11 | CERAMIC CHIP 10PF | 0.5PF 50V |
| R36 | 1-216-075-00 | METAL GLAZE | 12K 5% 1/10W | C177 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V |
| R37 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W | C191 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| R38 | 1-216-095-00 | METAL GLAZE | 82K 5% 1/10W | C201 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V |
| R39 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W | C202 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| R40 | 1-216-075-00 | METAL GLAZE | 12K 5% 1/10W | C203 | 1-124-477-11 | ELECT 47MF | 20% 16V |
| R41 | 1-216-083-00 | METAL GLAZE | 27K 5% 1/10W | C204 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V |
| R42 | 1-216-174-00 | METAL GLAZE | 100 5% 1/8W | C205 | 1-164-161-11 | CERAMIC CHIP 0.0022MF | 10% 50V |
| R43 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W | C206 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V |
| R44 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W | C207 | 1-164-222-11 | CERAMIC CHIP 0.22MF | 25V |
| R45 | 1-216-198-91 | METAL GLAZE | 1K 5% 1/8W | C208 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% 50V |
| R46 | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W | C302 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| R47 | 1-216-198-91 | METAL GLAZE | 1K 5% 1/8W | C502 | 1-124-477-11 | ELECT 47MF | 20% 16V |
| R48 | 1-216-049-91 | METAL GLAZE | 1K 5% 1/10W | C901 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V |
| R49 | 1-216-051-00 | METAL GLAZE | 1.2K 5% 1/10W | C902 | 1-124-477-11 | ELECT 47MF | 20% 16V |
| R50 | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W | | | | |
| R52 | 1-216-039-00 | METAL GLAZE | 390 5% 1/10W | | | | |
| R57 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | | | | |
| R58 | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W | | | | |
| R61 | 1-216-025-91 | METAL GLAZE | 100 5% 1/10W | | | | |
| < VARIABLE RESISTOR > | | | | | | | |
| RV01 | 1-241-786-11 | RES, ADJ, CARBON 22K | | SWF101 | 1-579-273-11 | FILTER, SURFACE WAVE | |
| ***** | | | | | | | |
| 1-467-573-13 IF BLOCK (IFH-389FX) (KV-29X2B) | | | | | | | |
| ***** | | | | | | | |
| < CAPACITOR > | | | | | | | |
| C101 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% 50V | | | | |
| C102 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | | | | |
| C104 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% 50V | CT101 | 1-760-154-21 | TRAP, CERAMIC | |
| C111 | 1-164-004-11 | CERAMIC CHIP 0.1MF | 10% 25V | CT131 | 1-409-430-11 | TRAP, CERAMIC | |
| C112 | 1-163-133-00 | CERAMIC CHIP 470PF | 5% 50V | | | | |
| C113 | 1-164-489-11 | CERAMIC CHIP 0.22MF | 10% 16V | D101 | 8-719-914-43 | DIODE DAN202K | |
| C114 | 1-124-925-11 | ELECT 2.2MF | 20% 50V | D171 | 8-719-914-43 | DIODE DAN202K | |
| C115 | 1-124-916-11 | ELECT 22MF | 20% 50V | D201 | 8-719-914-43 | DIODE DAN202K | |
| C116 | 1-124-916-11 | ELECT 22MF | 20% 50V | | | | |
| C117 | 1-163-090-00 | CERAMIC CHIP 7PF | 0.25PF 50V | | | | |
| C120 | 1-124-925-11 | ELECT 2.2MF | 20% 50V | IC1 | 8-759-193-13 | IC TDA9815 | |
| C121 | 1-124-925-11 | ELECT 2.2MF | 20% 50V | IC2 | 8-759-514-54 | IC BA7046 | |
| C122 | 1-164-489-11 | CERAMIC CHIP 0.22MF | 10% 16V | IC3 | 8-752-069-79 | IC CXA1875M | |
| C123 | 1-164-232-11 | CERAMIC CHIP 0.01MF | 10% 50V | IC4 | 8-759-710-86 | IC NJM2233BM | |
| C126 | 1-163-085-00 | CERAMIC CHIP 2PF | 0.25PF 50V | | | | |
| C128 | 1-164-489-11 | CERAMIC CHIP 0.22MF | 10% 16V | | | | |
| C131 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% 50V | L101 | 1-408-419-00 | INDUCTOR | 68UH |
| C132 | 1-163-097-00 | CERAMIC CHIP 15PF | 5% 50V | L102 | 1-410-985-11 | INDUCTOR CHIP | 0.22UH |
| C133 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% 50V | L131 | 1-408-407-00 | INDUCTOR | 6.8UH |
| C134 | 1-163-239-11 | CERAMIC CHIP 33PF | 5% 50V | L132 | 1-410-426-21 | INDUCTOR | 39UH |
| C135 | 1-124-477-11 | ELECT 47MF | 20% 16V | L142 | 1-408-409-00 | INDUCTOR | 10UH |
| C141 | 1-163-249-11 | CERAMIC CHIP 82PF | 5% 50V | L171 | 1-408-609-41 | INDUCTOR | 33UH |
| C143 | 1-163-251-11 | CERAMIC CHIP 100PF | 5% 50V | L201 | 1-408-419-00 | INDUCTOR | 68UH |
| C145 | 1-124-477-11 | ELECT 47MF | 20% 16V | L501 | 1-408-411-00 | INDUCTOR | 15UH |
| C151 | 1-124-477-11 | ELECT 47MF | 20% 16V | L901 | 1-408-411-00 | INDUCTOR | 15UH |
| C152 | 1-124-477-11 | ELECT 47MF | 20% 16V | | | | |
| < FILTER > | | | | | | | |
| | | | | CF171 | 1-567-100-00 | FILTER, CERAMIC | |
| | | | | CF172 | 1-567-101-11 | FILTER, CERAMIC | |
| | | | | CF173 | 1-760-107-21 | FILTER, CERAMIC | |
| | | | | CF174 | 1-760-106-21 | FILTER, CERAMIC | |
| < CONNECTOR > | | | | | | | |
| | | | | CN1 | 1-750-919-11 | PIN, CONNECTOR (PC BOARD) 10P | |
| | | | | CN2 | 1-750-919-11 | PIN, CONNECTOR (PC BOARD) 10P | |
| < TRIMMER > | | | | | | | |
| | | | | | | | |
| < DIODE > | | | | | | | |
| | | | | | | | |
| < IC > | | | | | | | |
| | | | | | | | |
| < COIL > | | | | | | | |
| | | | | | | | |

IF (KV-29X2B)

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|----------------|--------------|------------------------|------------|---------|--------------|-------------|---------------|
| < TRANSISTOR > | | | | | | | |
| Q101 | 8-729-104-80 | TRANSISTOR 2SC3355 | | JR138 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W |
| Q102 | 8-729-901-01 | TRANSISTOR DTC144EK | | JR140 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W |
| Q104 | 8-729-901-01 | TRANSISTOR DTC144EK | | JR141 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W |
| Q121 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | JR142 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W |
| Q131 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR143 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W |
| Q132 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR145 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W |
| Q141 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR146 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W |
| Q142 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR150 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W |
| Q151 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR152 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W |
| Q152 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR154 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W |
| Q153 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR160 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W |
| Q154 | 8-729-901-01 | TRANSISTOR DTC144EK | | JR161 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W |
| Q161 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR162 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W |
| Q162 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | JR166 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W |
| Q171 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | JR167 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W |
| Q174 | 8-729-901-01 | TRANSISTOR DTC144EK | | R100 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| Q175 | 8-729-901-01 | TRANSISTOR DTC144EK | | R102 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W |
| Q176 | 8-729-901-01 | TRANSISTOR DTC144EK | | R103 | 1-216-001-00 | METAL GLAZE | 10 5% 1/10W |
| Q181 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R104 | 1-216-176-11 | METAL GLAZE | 120 5% 1/8W |
| Q191 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R105 | 1-216-017-00 | METAL GLAZE | 47 5% 1/10W |
| Q201 | 8-729-216-22 | TRANSISTOR 2SA1162-G | | R106 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| < RESISTOR > | | | | | | | |
| JR101 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R114 | 1-216-035-00 | METAL GLAZE | 270 5% 1/10W |
| JR102 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R115 | 1-216-035-00 | METAL GLAZE | 270 5% 1/10W |
| JR103 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R116 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| JR104 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R117 | 1-216-031-00 | METAL GLAZE | 180 5% 1/10W |
| JR106 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R118 | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W |
| JR107 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R120 | 1-216-180-00 | METAL GLAZE | 180 5% 1/8W |
| JR109 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R131 | 1-216-198-91 | METAL GLAZE | 1K 5% 1/8W |
| JR110 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R133 | 1-216-031-00 | METAL GLAZE | 180 5% 1/10W |
| JR111 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R134 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| JR112 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R135 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W |
| JR113 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R136 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W |
| JR114 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R137 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W |
| JR115 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R138 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| JR116 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R139 | 1-216-067-00 | METAL GLAZE | 5.6K 5% 1/10W |
| JR117 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R140 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W |
| JR118 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R142 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| JR119 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R144 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W |
| JR120 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R145 | 1-216-041-00 | METAL GLAZE | 470 5% 1/10W |
| JR121 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R146 | 1-216-043-00 | METAL GLAZE | 560 5% 1/10W |
| JR122 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R147 | 1-216-025-00 | METAL GLAZE | 100 5% 1/10W |
| JR123 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R148 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| JR124 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R149 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| JR125 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R151 | 1-216-226-00 | METAL GLAZE | 15K 5% 1/8W |
| JR126 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R152 | 1-216-069-00 | METAL GLAZE | 6.8K 5% 1/10W |
| JR127 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R153 | 1-216-689-11 | METAL GLAZE | 39K 5% 1/10W |
| JR128 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R154 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| JR129 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R155 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| JR130 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R156 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W |
| JR131 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R161 | 1-216-079-00 | METAL GLAZE | 18K 5% 1/10W |
| JR132 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R162 | 1-216-069-00 | METAL GLAZE | 6.8K 5% 1/10W |
| JR133 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R163 | 1-216-689-11 | METAL GLAZE | 39K 5% 1/10W |
| JR134 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R164 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| JR135 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R165 | 1-216-057-00 | METAL GLAZE | 2.2K 5% 1/10W |
| JR136 | 1-216-295-91 | METAL GLAZE | 0 5% 1/10W | R166 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W |
| JR137 | 1-216-296-00 | METAL GLAZE | 0 5% 1/8W | R167 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |

IF (KV-29X2B)

G

The components identified by shading and marked  are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK | | | | | |
|-----------------------------------------|--------------|-------------|------------|---------|----------|--------------|--------------|-------------------|--|--|--|--|
| R168 | 1-216-212-00 | METAL GLAZE | 3.9K 5% | 1/8W | C613 | 1-128-548-11 | ELECT | 4700MF 20% 25V | | | | |
| R169 | 1-216-067-00 | METAL GLAZE | 5.6K 5% | 1/10W | C614 | 1-128-548-11 | ELECT | 4700MF 20% 25V | | | | |
| R171 | 1-216-045-00 | METAL GLAZE | 680 5% | 1/10W | C615 | 1-110-626-11 | ELECT | 330MF 20% 160V | | | | |
| R177 | 1-216-025-00 | METAL GLAZE | 100 5% | 1/10W | C616 | 1-164-625-11 | CERAMIC | 680PF 10% 500V | | | | |
| R178 | 1-216-057-00 | METAL GLAZE | 2.2K 5% | 1/10W | C617 | 1-136-559-11 | MYLAR | 0.0047MF 10% 400V | | | | |
| R179 | 1-216-057-00 | METAL GLAZE | 2.2K 5% | 1/10W | C618 | 1-104-989-91 | FILM | 0.0022MF 5% 200V | | | | |
| R180 | 1-216-057-00 | METAL GLAZE | 2.2K 5% | 1/10W | C619 | 1-136-165-00 | FILM | 0.1MF 5% 50V | | | | |
| R181 | 1-216-041-00 | METAL GLAZE | 470 5% | 1/10W | C620 | 1-126-967-11 | ELECT | 47MF 20% 50V | | | | |
| R182 | 1-216-041-00 | METAL GLAZE | 470 5% | 1/10W | C621 | 1-126-940-11 | ELECT | 330MF 20% 25V | | | | |
| R183 | 1-216-192-00 | METAL GLAZE | 560 5% | 1/8W | C622 | 1-126-940-11 | ELECT | 330MF 20% 25V | | | | |
| R184 | 1-216-043-00 | METAL GLAZE | 560 5% | 1/10W | C623 | 1-126-940-11 | ELECT | 330MF 20% 25V | | | | |
| R185 | 1-216-067-00 | METAL GLAZE | 5.6K 5% | 1/10W | C624 | 1-126-940-11 | ELECT | 330MF 20% 25V | | | | |
| R191 | 1-216-093-00 | METAL GLAZE | 68K 5% | 1/10W | C625 | 1-126-940-11 | ELECT | 330MF 20% 25V | | | | |
| R192 | 1-216-093-00 | METAL GLAZE | 68K 5% | 1/10W | C627 | 1-126-940-11 | ELECT | 330MF 20% 25V | | | | |
| R193 | 1-216-065-00 | METAL GLAZE | 4.7K 5% | 1/10W | C628 | 1-126-965-11 | ELECT | 22MF 20% 50V | | | | |
| R194 | 1-216-049-00 | METAL GLAZE | 1K 5% | 1/10W | C629 | 1-162-599-12 | CERAMIC | 0.0047MF 250V | | | | |
| R195 | 1-216-216-00 | METAL GLAZE | 5.6K 5% | 1/8W | C630 | 1-162-599-12 | CERAMIC | 0.0047MF 250V | | | | |
| R201 | 1-216-198-91 | METAL GLAZE | 1K 5% | 1/8W | C631 | 1-125-555-11 | CERAMIC | 0.0047MF 250V | | | | |
| R202 | 1-216-107-00 | METAL GLAZE | 270K 5% | 1/10W | C633 | 1-125-555-11 | ELECT | 330MF 20% 400V | | | | |
| R203 | 1-216-073-00 | METAL GLAZE | 10K 5% | 1/10W | C635 | 1-136-165-00 | FILM | 0.1MF 5% 50V | | | | |
| R204 | 1-216-113-00 | METAL GLAZE | 470K 5% | 1/10W | C636 | 1-136-165-00 | FILM | 0.1MF 5% 50V | | | | |
| R205 | 1-218-755-11 | METAL CHIP | 130K 0.50% | 1/10W | C637 | 1-126-964-11 | ELECT | 10MF 20% 50V | | | | |
| R206 | 1-216-049-00 | METAL GLAZE | 1K 5% | 1/10W | C638 | 1-126-964-11 | ELECT | 10MF 20% 50V | | | | |
| R207 | 1-216-113-00 | METAL GLAZE | 470K 5% | 1/10W | C639 | 1-126-964-11 | ELECT | 10MF 20% 50V | | | | |
| R208 | 1-216-113-00 | METAL GLAZE | 470K 5% | 1/10W | C640 | 1-102-002-00 | CERAMIC | 680PF 10% 500V | | | | |
| R209 | 1-216-049-00 | METAL GLAZE | 1K 5% | 1/10W | C641 | 1-136-171-00 | FILM | 0.33MF 5% 50V | | | | |
| R210 | 1-216-081-00 | METAL GLAZE | 22K 5% | 1/10W | C642 | 1-136-171-00 | FILM | 0.33MF 5% 50V | | | | |
| R211 | 1-216-073-00 | METAL GLAZE | 10K 5% | 1/10W | C644 | 1-126-964-11 | ELECT | 10MF 20% 50V | | | | |
| R301 | 1-216-073-00 | METAL GLAZE | 10K 5% | 1/10W | C645 | 1-136-171-00 | FILM | 0.33MF 5% 50V | | | | |
| R302 | 1-216-073-00 | METAL GLAZE | 10K 5% | 1/10W | C646 | 1-136-171-00 | FILM | 0.33MF 5% 50V | | | | |
| R303 | 1-216-049-00 | METAL GLAZE | 1K 5% | 1/10W | C647 | 1-136-171-00 | FILM | 0.33MF 5% 50V | | | | |
| R306 | 1-216-049-00 | METAL GLAZE | 1K 5% | 1/10W | C650 | 1-126-964-11 | ELECT | 10MF 20% 50V | | | | |
| R308 | 1-216-073-00 | METAL GLAZE | 10K 5% | 1/10W | C651 | 1-136-171-00 | FILM | 0.33MF 5% 50V | | | | |
| R309 | 1-216-025-00 | METAL GLAZE | 100 5% | 1/10W | C652 | 1-136-171-00 | FILM | 0.33MF 5% 50V | | | | |
| R310 | 1-216-025-00 | METAL GLAZE | 100 5% | 1/10W | C653 | 1-136-169-00 | FILM | 0.22MF 5% 50V | | | | |
| < CONNECTOR > | | | | | | | | | | | | |
| CN0006 1-156-516-11 PLUG, CONNECTOR 13P | | | | | | | | | | | | |
| CN0008 1-156-765-11 PLUG, CONNECTOR 13P | | | | | | | | | | | | |
| CN0010 1-156-765-11 PLUG, CONNECTOR 13P | | | | | | | | | | | | |
| CN0701 1-564-516-11 PLUG, CONNECTOR 13P | | | | | | | | | | | | |
| CN0722 1-564-516-11 PLUG, CONNECTOR 13P | | | | | | | | | | | | |
| < TRANSFORMER > | | | | | | | | | | | | |
| T111 | 1-403-686-22 | COIL | < DIODE > | | | | | | | | | |
| ***** | | | | | | | | | | | | |
| *A-1636-009-A G BOARD, COMPLETE | | | | | | | | | | | | |
| ***** | | | | | | | | | | | | |
| 4-382-854-11 SCREW (M3X10), P, SW (+) | | | | | | | | | | | | |
| < CAPACITOR > | | | | | | | | | | | | |
| C602 | 1-165-127-11 | CERAMIC | 470PF | 10% | 500V | D601 | 8-719-510-53 | DIODE D4SB60L | | | | |
| C603 | 1-165-127-11 | CERAMIC | 470PF | 10% | 500V | D602 | 8-719-991-33 | DIODE 1SS133T-77 | | | | |
| C604 | 1-136-171-00 | FILM | 0.33MF | 5% | 50V | D603 | 8-719-109-89 | DIODE RD5.6ESB2 | | | | |
| C605 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V | D605 | 8-719-047-31 | DIODE RBA-402L | | | | |
| C606 | 1-136-171-00 | FILM | 0.33MF | 5% | 50V | D607 | 8-719-510-12 | DIODE D10SC4M | | | | |
| C607 | 1-137-399-11 | FILM | 0.1MF | 5% | 50V | D608 | 8-719-510-12 | DIODE D10SC4M | | | | |
| C608 | 1-164-625-11 | CERAMIC | 680PF | 10% | 500V | D609 | 8-719-047-31 | DIODE RBA-402L | | | | |
| C609 | 1-129-718-00 | FILM | 0.022MF | 5% | 630V | D610 | 8-719-510-54 | DIODE S2LA20F | | | | |
| C610 | 1-126-953-11 | ELECT | 2200MF | 20% | 35V | D612 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| C611 | 1-126-953-11 | ELECT | 2200MF | 20% | 35V | D613 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| | | | | | | D614 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| | | | | | | D615 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| | | | | | | D616 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| | | | | | | D617 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| | | | | | | D618 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| | | | | | | D619 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| | | | | | | D620 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| | | | | | | D621 | 8-719-911-19 | DIODE 1SS119-25 | | | | |
| | | | | | | D622 | 8-719-510-64 | DIODE S2LA20F | | | | |

G

The components identified by shading and marked **F** are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque **F** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|--------------|------------------------------|--------|---------|--------------|------------------------------|----------------|
| D623 | 8-719-510-64 | DIODE S2LA20F | | R604 | 1-216-369-00 | METAL OXIDE | 1 5% 2W F |
| D624 | 8-719-312-39 | DIODE R2K-V1 | | R605 | 1-247-891-00 | CARBON | 330K 5% 1/4W |
| D625 | 8-719-911-19 | DIODE 1SS119-25 | | R606 | 1-247-891-00 | CARBON | 330K 5% 1/4W |
| D626 | 8-719-911-19 | DIODE 1SS119-25 | | R607 | 1-216-369-00 | METAL OXIDE | 1 5% 2W F |
| D627 | 8-719-911-19 | DIODE 1SS119-25 | | R608 | 1-247-887-00 | CARBON | 220K 5% 1/4W |
| D628 | 8-719-911-19 | DIODE 1SS119-25 | | R609 | 1-249-429-11 | CARBON | 10K 5% 1/4W F |
| D630 | 8-719-991-33 | DIODE 1SS133T-77 | | R610 | 1-249-419-11 | CARBON | 1.5K 5% 1/4W F |
| D631 | 8-719-991-33 | DIODE 1SS133T-77 | | R614 | 1-205-949-11 | WIREWOUND | 1.6 5% 13W |
| D632 | 8-719-991-33 | DIODE 1SS133T-77 | | R618 | 1-205-949-11 | WIREWOUND | 1.6 5% 13W |
| D633 | 8-719-991-33 | DIODE 1SS133T-77 | | R619 | 1-244-945-91 | CARBON | 1M 5% 1/2W |
| D634 | 8-719-991-33 | DIODE 1SS133T-77 | | R620 | 1-218-465-91 | METAL | 9.2M 5% 1W |
| | | < FERRITE BEAD > | | R621 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| FB601 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | | R622 | 1-249-430-11 | CARBON | 12K 5% 1/4W |
| FB602 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | | R623 | 1-249-436-11 | CARBON | 39K 5% 1/4W |
| FB603 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | | R624 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| FB604 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | | R625 | 1-247-815-91 | CARBON | 220 5% 1/4W |
| | | < IC > | | R626 | 1-247-863-91 | CARBON | 22K 5% 1/4W |
| IC601 | 1-810-051-11 | POWER MODULE DM-48 | | R627 | 1-247-815-91 | CARBON | 220 5% 1/4W |
| IC602 | 8-749-310-54 | PHOTO COUPLED PC113P2 | | R628 | 1-249-410-11 | CARBON | 270 5% 1/4W |
| | | < COIL > | | R630 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| L601 | 1-412-525-31 | INDUCTOR 10UH | | R631 | 1-215-477-00 | METAL | 220K 1% 1/4W |
| L602 | 1-412-525-31 | INDUCTOR 10UH | | R632 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| L603 | 1-412-525-31 | INDUCTOR 10UH | | R633 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| L605 | 1-412-523-11 | INDUCTOR 6.8UH | | R634 | 1-247-895-91 | CARBON | 470K 5% 1/4W |
| L606 | 1-412-523-11 | INDUCTOR 6.8UH | | R635 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| | | < TRANSFORMER > | | R636 | 1-207-905-00 | WIREWOUND | 0.27 10% 2W F |
| TF601 | 1-424-426-11 | TRANSFORMER LINE FILTER | | R637 | 1-249-389-11 | CARBON | 4.7 5% 1/4W F |
| | | < IC LINK > | | R638 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| PS601 | 1-532-686-91 | LINK IC (ICP-N75) 2.7A | | R639 | 1-247-791-91 | CARBON | 22 5% 1/4W |
| PS602 | 1-532-686-91 | LINK IC (ICP-N75) 2.7A | | R640 | 1-247-791-91 | CARBON | 22 5% 1/4W |
| PS604 | 1-532-686-91 | LINK IC (ICP-N75) 2.7A | | R641 | 1-247-791-91 | CARBON | 22 5% 1/4W |
| PS605 | 1-532-845-22 | LINK IC (PRT4000) 6A | | R642 | 1-247-791-91 | CARBON | 22 5% 1/4W |
| | | < TRANSISTOR > | | R644 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| Q601 | 8-729-032-87 | TRANSISTOR 2SC4834NP-F09 | | R645 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| Q602 | 8-729-032-87 | TRANSISTOR 2SC4834NP-F09 | | R646 | 1-249-403-11 | CARBON | 68 5% 1/4W |
| Q603 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R651 | 1-215-880-00 | METAL OXIDE | 10 5% 2W F |
| Q604 | 8-729-200-21 | TRANSISTOR 2SC2500-B | | R652 | 1-247-891-00 | CARBON | 330K 5% 1/4W |
| Q605 | 8-729-173-38 | TRANSISTOR 2SA733-K | | R653 | 1-247-891-00 | CARBON | 330K 5% 1/4W |
| | | < RELAY > | | R654 | 1-247-891-00 | CARBON | 330K 5% 1/4W |
| Q606 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R655 | 1-249-439-11 | CARBON | 68K 5% 1/4W |
| Q607 | 8-729-029-56 | TRANSISTOR DTA144ESA | | R656 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| Q608 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R657 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| Q610 | 8-729-173-38 | TRANSISTOR 2SA733-K | | R658 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| Q611 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | R659 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| Q612 | 8-729-173-38 | TRANSISTOR 2SA733-K | | R660 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| Q613 | 8-729-030-03 | TRANSISTOR DTC144ESA | | R661 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| Q614 | 8-729-029-56 | TRANSISTOR DTA144ESA | | R662 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| Q615 | 8-729-200-21 | TRANSISTOR 2SC2500-B | | R663 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| Q616 | 8-729-030-03 | TRANSISTOR DTC144ESA | | R664 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| | | < TRANSFORMER > | | R665 | 1-249-425-11 | CARBON | 4.7K 5% 1/4W |
| Q617 | 8-729-029-56 | TRANSISTOR DTA144ESA | | | | | |
| | | < RESISTOR > | | T601 | 1-429-255-11 | TRANSFORMER, CONVERTER (PRT) | |
| R601 | 1-202-933-61 | FUSIBLE 0.1 10% 1/2W F | | T602 | 1-429-254-11 | TRANSFORMER, CONVERTER (PRT) | |
| R602 | 1-247-891-00 | CARBON 330K 5% 1/4W | | | | | |
| R603 | 1-247-891-00 | CARBON 330K 5% 1/4W | | | | | |

G **C**

The components identified by shading and marked ***** are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque ***** sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK | |
|----------------------------------------|---------------|-------------------------------|----------|---------|--------------|------------------------|----------------------------|----------------|
| < THERMISTOR > | | | | | | | | |
| TSP601 | 1-809-827-11 | THERMISTOR, POSITIVE | | Q704 | 8-729-326-11 | TRANSISTOR 2SC2611 | | |
| < VARISTOR > | | | | | | | | |
| VDR601 | 1-810-977-21 | VARISTOR ERZV10D621 | | Q705 | 8-729-326-11 | TRANSISTOR 2SC2611 | | |
| ***** | | | | | | | | |
| *A-1638-070-A C BOARD, COMPLETE | | | | | | | | |
| ***** | | | | | | | | |
| | 4-382-854-11 | SCREW (M3X10), P, SW (+) | | Q706 | 8-729-326-11 | TRANSISTOR 2SC2611 | | |
| | | | | Q707 | 8-729-200-17 | TRANSISTOR 2SA1091-0 | | |
| | | | | Q708 | 8-729-200-17 | TRANSISTOR 2SA1091-0 | | |
| | | | | Q709 | 8-729-200-17 | TRANSISTOR 2SA1091-0 | | |
| | | | | Q710 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | |
| < CAPACITOR > | | | | | | | | |
| C701 | 1-162-114-00 | CERAMIC | 0.0047MF | 2KV | R701 | 1-202-846-00 | SOLID | 470K 20% 1/2W |
| C703 | 1-107-651-11 | ELECT | 4.7MF | 20% | R702 | 1-202-828-00 | SOLID | 100K 20% 1/2W |
| C709 | 1-102-978-00 | CERAMIC | 220PF | 5% | R703 | 1-202-549-00 | SOLID | 100 20% 1/2W |
| C711 | 1-101-880-00 | CERAMIC | 47PF | 5% | R705 | 1-249-377-11 | CARBON | 0.47 5% 1/4W F |
| C712 | 1-102-978-00 | CERAMIC | 220PF | 5% | R706 | 1-249-377-11 | CARBON | 0.47 5% 1/4W F |
| C713 | 1-102-980-00 | CERAMIC | 270PF | 5% | R707 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| C714 | 1-102-980-00 | CERAMIC | 270PF | 5% | R708 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| C716 | 1-128-526-11 | ELECT | 100MF | 20% | R709 | 1-249-416-11 | CARBON | 820 5% 1/4W |
| C720 | 1-162-116-00 | CERAMIC | 680PF | 10% | R710 | 1-215-922-11 | METAL OXIDE | 6.8K 5% 3W F |
| | | | | | R711 | 1-202-549-00 | SOLID | 100 20% 1/2W |
| < CONNECTOR > | | | | | | | | |
| CN0003 | 1-695-915-11 | TAB (CONTACT) | | | R712 | 1-215-922-11 | METAL OXIDE | 6.8K 5% 3W F |
| CN0004 | 1-695-915-11 | TAB (CONTACT) | | | R713 | 1-202-549-00 | SOLID | 100 20% 1/2W |
| CN0411 | *1-568-882-11 | PIN, CONNECTOR 7P | | | R714 | 1-215-922-11 | METAL OXIDE | 6.8K 5% 3W F |
| CN0421 | *1-508-767-00 | PIN, CONNECTOR (5MM PITCH) 5P | | | R715 | 1-202-549-00 | SOLID | 100 20% 1/2W |
| < DIODE > | | | | | | | | |
| D701 | 8-719-991-33 | DIODE 1SS133T-77 | | | R716 | 1-249-405-11 | CARBON | 100 5% 1/4W F |
| D702 | 8-719-991-33 | DIODE 1SS133T-77 | | | R717 | 1-249-405-11 | CARBON | 100 5% 1/4W F |
| D703 | 8-719-991-33 | DIODE 1SS133T-77 | | | R718 | 1-249-405-11 | CARBON | 100 5% 1/4W F |
| D704 | 8-719-991-33 | DIODE 1SS133T-77 | | | R725 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| D705 | 8-719-991-33 | DIODE 1SS133T-77 | | | R726 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| D706 | 8-719-991-33 | DIODE 1SS133T-77 | | | R727 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| D707 | 8-719-991-33 | DIODE 1SS133T-77 | | | R728 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| D708 | 8-719-991-33 | DIODE 1SS133T-77 | | | R729 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| D709 | 8-719-991-33 | DIODE 1SS133T-77 | | | R730 | 1-249-407-11 | CARBON | 150 5% 1/4W |
| D714 | 8-719-109-97 | DIODE RD6.8ES-B2 | | | R731 | 1-247-791-91 | CARBON | 22 5% 1/4W |
| D715 | 8-719-018-82 | DIODE RGP02-20EL-6394 | | | R732 | 1-247-791-91 | CARBON | 22 5% 1/4W |
| < CRT SOCKET > | | | | | | | | |
| J703 | 1-526-990-22 | SOCKET, CRT | | | R733 | 1-247-791-91 | CARBON | 22 5% 1/4W |
| < COIL > | | | | | | | | |
| L701 | 1-408-607-31 | INDUCTOR | 22UH | | R734 | 1-202-549-00 | SOLID | 100 20% 1/2W |
| L702 | 1-408-607-31 | INDUCTOR | 22UH | | R738 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| L703 | 1-408-409-00 | INDUCTOR | 10UH | | R739 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| L704 | 1-408-607-31 | INDUCTOR | 22UH | | R740 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| L705 | 1-408-409-00 | INDUCTOR | 10UH | | R743 | 1-249-435-11 | CARBON | 33K 5% 1/4W |
| L706 | 1-408-607-31 | INDUCTOR | 22UH | | R747 | 1-216-489-11 | METAL OXIDE | 27K 5% 3W F |
| L707 | 1-408-409-00 | INDUCTOR | 10UH | | R749 | 1-216-489-11 | METAL OXIDE | 27K 5% 3W F |
| L709 | 1-408-409-00 | INDUCTOR | 10UH | | R751 | 1-216-489-11 | METAL OXIDE | 27K 5% 3W F |
| < VARIABLE RESISTOR > | | | | | | | | |
| < TRANSISTOR > | | | | | | | | |
| Q701 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | RV701 | 1-230-641-11 | RES, ADJ, METAL GLAZE 2.2M | |
| Q702 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | RV702 | 1-241-714-11 | RES, ADJ, METAL FILM 110M | |
| Q703 | 8-729-326-11 | TRANSISTOR 2SC2611 | | | | | | |

D

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|---------|---------------|-------------------------------|----------|---------|--------------|------------------------------|----------------|
| | *A-1640-236-A | D BOARD, COMPLETE | ***** | D872 | 8-719-914-43 | DIODE DAN202K | |
| | | | | D874 | 8-719-914-42 | DIODE DA204K | |
| | 4-200-399-01 | SPACER, IC | | | | < FERRITE BEAD > | |
| | 4-382-654-11 | SCREW (M3X10), P, SW (+) | | FB801 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | |
| | | < CAPACITOR > | | FB802 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | |
| | | | | FB803 | 1-410-396-41 | FERRITE BEAD INDUCTOR 0.45UH | |
| C801 | 1-123-024-21 | ELECT | 33MF | | | | |
| C802 | 1-136-207-11 | FLIM | 0.047MF | 10% | 250V | | |
| C804 | 1-163-001-11 | CERAMIC CHIP | 220PF | 10% | 50V | | |
| C805 | 1-102-030-00 | CERAMIC | 330PF | 10% | 500V | | |
| C808 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV | | |
| | | | | IC801 | 8-759-103-93 | IC μPC393C | |
| | | | | | | < COIL > | |
| C809 | 1-162-116-00 | CERAMIC | 680PF | 10% | 2KV | | |
| C810 | 1-106-367-00 | MYLAR | 0.01MF | 10% | 400V | | |
| C811 | 1-115-471-11 | FLIM | 17000PF | 3% | 1.2KV | | |
| C812 | 1-129-720-00 | FLIM | 0.033MF | 5% | 630V | | |
| C813 | 1-109-961-11 | FLIM | 0.75MF | 5% | 400V | | |
| C814 | 1-129-702-00 | FLIM | 0.001MF | 10% | 400V | | |
| C816 | 1-109-961-11 | FLIM | 0.75MF | 5% | 400V | | |
| C817 | 1-136-759-11 | FLIM | 0.039MF | 5% | 630V | | |
| C819 | 1-137-104-11 | FLIM | 0.033MF | 10% | 250V | | |
| C822 | 1-126-967-11 | ELECT | 47MF | 20% | 50V | | |
| | | | | L801 | 1-459-123-00 | COIL, DUST CORE(PAC) | |
| | | | | L802 | 1-459-123-00 | COIL, DUST CORE(PAC) | |
| | | | | L803 | 1-459-123-00 | COIL, DUST CORE(PAC) | |
| | | | | L806 | 1-459-592-11 | COIL (WITH CORE) (PMC) | |
| | | | | L811 | 1-459-104-00 | COIL, WITH CORE | |
| C823 | 1-164-232-11 | CERAMIC CHIP | 0.01MF | 10% | 50V | | |
| C824 | 1-162-117-00 | CERAMIC | 100PF | 10% | 500V | | |
| C825 | 1-126-964-11 | ELECT | 10MF | 20% | 50V | | |
| C827 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V | | |
| C835 | 1-107-655-11 | ELECT | 47MF | 20% | 250V | | |
| | | | | Q801 | 8-729-119-80 | TRANSISTOR 2SC2688-LK | |
| | | | | Q802 | 8-729-821-07 | TRANSISTOR 2SC3997CA | |
| | | | | Q803 | 8-729-931-45 | TRANSISTOR IRF614 | |
| | | | | | | < RESISTOR > | |
| C836 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V | | |
| C837 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V | | |
| C838 | 1-102-228-00 | CERAMIC | 470PF | 10% | 500V | | |
| C839 | 1-126-941-11 | ELECT | 470MF | 20% | 25V | | |
| C840 | 1-126-941-11 | ELECT | 470MF | 20% | 25V | | |
| | | | | JR502 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W |
| | | | | JR503 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W |
| | | | | JR504 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W |
| C841 | 1-106-375-12 | MYLAR | 0.022MF | 10% | 250V | | |
| C842 | 1-136-559-11 | MYLAR | 0.0047MF | 10% | 400V | | |
| C873 | 1-162-115-00 | CERAMIC | 330PF | 10% | 2KV | | |
| C874 | 1-164-645-11 | CERAMIC | 1000PF | 10% | 500V | | |
| C875 | 1-163-275-11 | CERAMIC CHIP | 0.001MF | 5% | 50V | | |
| | | | | R802 | 1-215-916-00 | METAL OXIDE | 680 5% 3W F |
| | | | | R803 | 1-215-916-00 | METAL OXIDE | 680 5% 3W F |
| | | | | R804 | 1-215-916-00 | METAL OXIDE | 680 5% 3W F |
| | | | | R805 | 1-215-923-00 | METAL OXIDE | 10K 5% 3W F |
| | | | | R806 | 1-216-037-00 | METAL GLAZE | 330 5% 1/10W |
| C892 | 1-163-005-11 | CERAMIC CHIP | 470PF | 10% | 50V | | |
| C893 | 1-164-161-11 | CERAMIC CHIP | 0.0022MF | 10% | 50V | | |
| | | | | R807 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W |
| | | | | R808 | 1-216-385-11 | METAL OXIDE | 0.47 5% 3W F |
| | | | | R809 | 1-215-880-00 | METAL OXIDE | 10 5% 2W F |
| | | | | R810 | 1-215-914-11 | METAL OXIDE | 330 5% 3W F |
| | | | | R811 | 1-216-434-11 | METAL OXIDE | 1.8K 5% 1W F |
| CN0006 | 1-695-915-11 | TAB (CONTACT) | | | | | |
| CN0009 | 1-568-878-51 | PIN, CONNECTOR 3P | | | | | |
| CN0501 | *1-564-516-11 | PLUG, CONNECTOR 13P | | | | | |
| CN0503 | *1-564-511-11 | PLUG, CONNECTOR 8P | | | | | |
| CN0504 | *1-564-511-11 | PLUG, CONNECTOR 8P | | | | | |
| | | | | R817 | 1-202-972-61 | FUSIBLE | 1 5% 1/4W F |
| | | | | R818 | 1-249-377-11 | CARBON | 0.47 5% 1/4W F |
| | | | | R819 | 1-249-377-11 | CARBON | 0.47 5% 1/4W F |
| | | | | R820 | 1-214-907-00 | METAL | 56K 1% 1/2W |
| | | | | R821 | 1-249-428-11 | CARBON | 8.2K 5% 1/4W |
| CN0505 | 1-764-607-11 | CONNECTOR, BOARD TO BOARD 8P | | | | | |
| CN0521 | *1-508-767-00 | PIN, CONNECTOR (5MM PITCH) 5P | | | | | |
| | | | | R823 | 1-216-055-00 | METAL GLAZE | 1.8K 5% 1/10W |
| | | | | R835 | 1-216-083-00 | METAL GLAZE | 27K 5% 1/10W |
| DY1 | *1-580-798-11 | CONNECTOR PIN (DY) 6P | | | | | |
| | | | | R836 | 1-216-295-00 | CONDUCTOR, CHIP | (2012) |
| | | | | R837 | 1-216-059-00 | METAL GLAZE | 2.7K 5% 1/10W |
| | | | | R842 | 1-249-887-11 | CARBON | 33 5% 1/4W F |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| D802 | 8-719-979-99 | DIODE ERD08M-15 | | | | | |
| D803 | 8-719-043-14 | DIODE ESAD39M-06C | | | | | |
| D804 | 8-719-971-20 | DIODE ERC38-06 | | | | | |
| D805 | 8-719-908-03 | DIODE GP08D | | | | | |
| D806 | 8-719-908-03 | DIODE GP08D | | | | | |
| | | | | R843 | 1-202-822-00 | SOLID | 2.2K 20% 1/2W |
| | | | | R844 | 1-249-424-11 | CARBON | 3.9K 5% 1/4W |
| | | | | R845 | 1-216-099-00 | METAL GLAZE | 120K 5% 1/10W |
| | | | | R851 | 1-216-374-00 | METAL OXIDE | 2.7 5% 2W F |
| | | | | R854 | 1-216-081-00 | METAL GLAZE | 22K 5% 1/10W |
| | | | | R855 | 1-216-089-00 | METAL GLAZE | 47K 5% 1/10W |
| | | | | R856 | 1-216-073-00 | METAL GLAZE | 10K 5% 1/10W |
| | | | | R857 | 1-216-085-00 | METAL GLAZE | 33K 5% 1/10W |
| | | | | R858 | 1-216-061-00 | METAL GLAZE | 3.3K 5% 1/10W |

D **VM** **H1**

The components identified by shading and marked * are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque * sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|----------------------------------|---------------|-----------------------------------------|------------------|-----------------------------------|---------------|------------------------|---------------|
| R859 | 1-202-822-00 | SOLID | 2.2K 20% 1/2W | Q1702 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| R874 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | Q1703 | 8-729-017-05 | TRANSISTOR 2SA1837 | |
| R895 | 1-215-866-11 | METAL OXIDE | 330 5% 1W F | Q1704 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| R896 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | Q1705 | 8-729-173-38 | TRANSISTOR 2SA733-K | |
| R897 | 1-216-109-00 | METAL GLAZE | 330K 5% 1/10W | Q1706 | 8-729-017-06 | TRANSISTOR 2SC4793 | |
| R898 | 1-216-295-00 | METAL GLAZE | 0 5% 1/10W | Q1707 | 8-729-255-12 | TRANSISTOR 2SC2551-O | |
| R899 | 1-216-103-00 | METAL GLAZE | 180K 5% 1/10W | Q1840 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | |
| | | | | Q1841 | 8-729-017-06 | TRANSISTOR 2SC4793 | |
| < TRANSFORMER > | | | | < RESISTOR > | | | |
| T801 | 1-427-762-11 | TRANSFORMER, FERRITE (HDT) | | R1701 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| T803 | 1-427-776-11 | TRANSFORMER, FERRITE (PMT) | | R1702 | 1-249-417-11 | CARBON | 1K 5% 1/4W |
| T804 | 1-426-940-11 | HLT | | R1703 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| T805 | 1-453-187-11 | TRANSFORMER ASSY, FLYBACK (ME-2661/02E) | | R1704 | 1-249-415-11 | CARBON | 680 5% 1/4W |
| T806 | 1-413-059-00 | TRANSFORMER, FERRITE (DFT) | | R1705 | 1-247-791-91 | CARBON | 22 5% 1/4W |
| ***** | | | | R1706 | 1-247-791-91 | CARBON | 22 5% 1/4W |
| *A-1644-064-A VM BOARD, COMPLETE | | | | R1707 | 1-247-807-31 | CARBON | 100 5% 1/4W |
| ***** | | | | R1708 | 1-249-410-11 | CARBON | 270 5% 1/4W |
| R1709 | | | | R1709 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| R1710 | | | | R1710 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| *4-368-683-21 SPRING, TRANSISTOR | | | | R1711 | 1-249-429-11 | CARBON | 10K 5% 1/4W |
| < CAPACITOR > | | | | R1712 | 1-260-311-11 | CARBON | 39 5% 1/2W |
| C1701 | 1-126-933-11 | ELECT | 100MF 20% 16V | R1713 | 1-249-384-11 | CARBON | 1.8 5% 1/4W F |
| C1702 | 1-102-074-00 | CERAMIC | 0.001MF 10% 50V | R1714 | 1-249-414-11 | CARBON | 560 5% 1/4W F |
| C1703 | 1-126-933-11 | ELECT | 100MF 20% 16V | R1715 | 1-249-432-11 | CARBON | 18K 5% 1/4W |
| C1704 | 1-126-933-11 | ELECT | 100MF 20% 16V | R1716 | 1-249-417-11 | CARBON | 1K 5% 1/4W F |
| C1705 | 1-107-638-11 | ELECT | 33MF 20% 160V | R1717 | 1-216-476-11 | METAL OXIDE | 180 5% 3W F |
| C1706 | 1-104-999-11 | FILM | 0.1MF 5% 200V | R1718 | 1-249-432-11 | CARBON | 18K 5% 1/4W |
| C1707 | 1-104-989-91 | FILM | 0.0022MF 5% 200V | R1719 | 1-249-384-11 | CARBON | 1.8 5% 1/4W F |
| C1708 | 1-137-364-11 | FILM | 0.001MF 5% 50V | R1720 | 1-249-400-11 | CARBON | 39 5% 1/4W F |
| C1709 | 1-137-364-11 | FILM | 0.001MF 5% 50V | R1721 | 1-249-414-11 | CARBON | 560 5% 1/4W |
| C1720 | 1-107-667-11 | ELECT | 2.2MF 20% 160V | R1722 | 1-249-401-11 | CARBON | 47 5% 1/4W |
| C1721 | 1-104-989-91 | FILM | 0.0022MF 5% 200V | R1723 | 1-249-426-11 | CARBON | 5.6K 5% 1/4W |
| C1722 | 1-128-581-11 | ELECT | 4.7MF 20% 100V | R1841 | 1-249-437-11 | CARBON | 47K 5% 1/4W |
| C1723 | 1-161-830-00 | CERAMIC | 0.0047MF 500V | R1842 | 1-247-764-11 | CARBON | 10K 5% 1/2W |
| C1841 | 1-130-481-00 | FILM | 0.0068MF 5% 50V | R1843 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| C1844 | 1-106-367-00 | MYLAR | 0.01MF 10% 400V | R1844 | 1-249-421-11 | CARBON | 2.2K 5% 1/4W |
| C1845 | 1-106-220-00 | MYLAR | 0.1MF 10% 100V | R1847 | 1-249-887-11 | CARBON | 33 5% 1/4W F |
| | | | | R1848 | 1-215-875-11 | METAL OXIDE | 10K 5% 1W F |
| | | | | R1849 | 1-247-764-11 | CARBON | 10K 5% 1/2W |
| < CONNECTOR > | | | | ***** | | | |
| CN1015 | *1-568-881-51 | PIN, CONNECTOR 6P | | *A-1646-098-A H1 BOARD, COMPLETE | | | |
| NA1 | 1-774-418-11 | CONNECTOR, BOARD TO BOARD 8P | | ***** | | | |
| < DIODE > | | | | 1-568-678-11 TERMINAL BLOCK, S 3P | | | |
| D1701 | 8-719-991-33 | DIODE 1SS133T-77 | | 1-764-606-11 JACK | | | |
| D1702 | 8-719-110-88 | DIODE RD39ES-B2 | | < CAPACITOR > | | | |
| D1703 | 8-719-110-88 | DIODE RD39ES-B2 | | C083 | 1-101-005-00 | CERAMIC | 0.022MF 50V |
| D1840 | 8-719-302-43 | DIODE EL1Z | | C087 | 1-101-005-00 | CERAMIC | 0.022MF 50V |
| D1841 | 8-719-991-33 | DIODE 1SS133T-77 | | < CONNECTOR > | | | |
| < COIL > | | | | ***** | | | |
| L1701 | 1-408-409-00 | INDUCTOR | 10UH | CN1113 | *1-568-879-11 | PIN, CONNECTOR 4P | |
| L1702 | 1-408-403-00 | INDUCTOR | 3.3UH | CN1123 | *1-564-512-11 | PLUG, CONNECTOR 9P | |
| L1703 | 1-408-409-00 | INDUCTOR | 10UH | < COIL > | | | |
| L1841 | 1-459-075-00 | COIL, DYNAMIC CONVERSION CHOKE | | L081 | 1-408-409-00 | INDUCTOR | 10UH |
| L1843 | 1-459-104-00 | COIL, WITH CORE | | L082 | 1-408-409-00 | INDUCTOR | 10UH |
| < TRANSISTOR > | | | | | | | |
| Q1701 | 8-729-119-78 | TRANSISTOR 2SC2785-HFE | | | | | |

| | | |
|----|----|---|
| H1 | H2 | J |
|----|----|---|

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK | |
|---------------------------------------------------------------------|---------------|--------------------------------|---------|----------------|---------------|------------------------------|-----------------------|---------|
| < RESISTOR > | | | | | | | | |
| R081 | 1-249-429-11 | CARBON | 10K 5% | 1/4W | C913 | 1-163-129-00 | CERAMIC CHIP 330PF | 5% 50V |
| R082 | 1-249-425-11 | CARBON | 4.7K 5% | 1/4W | C914 | 1-163-129-00 | CERAMIC CHIP 330PF | 5% 50V |
| R083 | 1-249-421-11 | CARBON | 2.2K 5% | 1/4W | C915 | 1-163-129-00 | CERAMIC CHIP 330PF | 5% 50V |
| R084 | 1-249-419-11 | CARBON | 1.5K 5% | 1/4W | C916 | 1-163-011-11 | CERAMIC CHIP 0.0015MF | 10% 50V |
| R085 | 1-249-419-11 | CARBON | 1.5K 5% | 1/4W | C917 | 1-163-011-11 | CERAMIC CHIP 0.0015MF | 10% 50V |
| | | | | C922 | 1-126-967-11 | ELECT 47MF | 20% 16V | |
| < SWITCH > | | | | | | | | |
| S081 | 1-571-532-21 | SWITCH, TACTIL | | C923 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V | |
| S082 | 1-571-532-21 | SWITCH, TACTIL | | C924 | 1-126-967-11 | ELECT 47MF | 20% 16V | |
| S083 | 1-571-532-21 | SWITCH, TACTIL | | C925 | 1-126-967-11 | ELECT 47MF | 20% 16V | |
| | | | | C926 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V | |
| | | | | C928 | 1-126-967-11 | ELECT 47MF | 20% 16V | |
| ***** | | | | | | | | |
| *A-1646-099-A H2 BOARD, COMPLETE | | | | C929 | 1-126-967-11 | ELECT 47MF | 20% 16V | |
| | | | | C930 | 1-126-967-11 | ELECT 47MF | 20% 16V | |
| | | | | C931 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V | |
| | | | | C932 | 1-164-346-11 | CERAMIC CHIP 1MF | 16V | |
| *4-374-987-01 GUIDE, LIGHT 4-381-686-01 BRACKET (B), LIGHT GUIDE | | | | | | | | |
| < CONNECTOR > | | | | | | | | |
| CN1214 | *1-564-511-11 | PLUG, CONNECTOR 8P | | CN0806 | 1-695-301-11 | CONNECTOR, BOARD TO BOARD 4P | | |
| | | | | CN0807 | 1-695-300-11 | CONNECTOR, BOARD TO BOARD 2P | | |
| | | | | CN0823 | 1-564-524-11 | PLUG, CONNECTOR 9P | | |
| | | | | CN0824 | *1-564-519-11 | PLUG, CONNECTOR 4P | | |
| | | | | CN0825 | *1-564-519-11 | PLUG, CONNECTOR 4P | | |
| < DIODE > | | | | | | | | |
| D092 | 8-719-948-31 | DIODE LD-201VR | | D401 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| | *4-201-076-01 | HOLDER, LED ;D092 | | D403 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| D093 | 8-719-948-31 | DIODE LD-201VR | | D405 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| | *4-201-076-01 | HOLDER, LED ;D093 | | D406 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| D094 | 8-719-948-31 | DIODE LD-201VR | | D407 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| | *4-201-076-01 | HOLDER, LED ;D094 | | D903 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| < IC > | | | | D904 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| IC091 | 8-741-810-11 | ELEMENT,RAY-CATCHER SBX1810-11 | | D907 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| | | | | D908 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| | | | | D909 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| < RESISTOR > | | | | | | | | |
| R091 | 1-249-413-11 | CARBON | 470 5% | 1/4W | D910 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | |
| | | | | D911 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| ***** | | | | D913 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| | | | | D914 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| | | | | D915 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| *A-1651-080-A J BOARD, COMPLETE | | | | | | | | |
| | | | | D916 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| < CAPACITOR > | | | | D917 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| C295 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% | D924 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| C296 | 1-163-009-11 | CERAMIC CHIP 0.001MF | 10% | D925 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| C401 | 1-164-005-11 | CERAMIC CHIP 0.47MF | | D926 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| C402 | 1-126-933-11 | ELECT 100MF | 20% | D927 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| C403 | 1-164-005-11 | CERAMIC CHIP 0.47MF | | D928 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| C410 | 1-126-966-11 | ELECT 33MF | 20% | D929 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| C421 | 1-126-967-11 | ELECT 47MF | 20% | D930 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| C422 | 1-126-967-11 | ELECT 47MF | 20% | D931 | 8-719-923-60 | DIODE MTZJ-T-77-9.1A | | |
| C423 | 1-163-031-11 | CERAMIC CHIP 0.01MF | | | | | | |
| C424 | 1-163-129-00 | CERAMIC CHIP 330PF | 5% | | | | | |
| | | | | < IC > | | | | |
| C425 | 1-163-129-00 | CERAMIC CHIP 330PF | 5% | IC401 | 8-752-068-46 | IC CXA1855S | | |
| C426 | 1-126-967-11 | ELECT 47MF | 20% | IC402 | 8-759-073-00 | IC TEA2114 | | |
| C427 | 1-164-346-11 | CERAMIC CHIP 1MF | | | | | | |
| C428 | 1-164-346-11 | CERAMIC CHIP 1MF | | < SOCKET > | | | | |
| C429 | 1-104-661-91 | ELECT 330MF | 20% | J291 | 1-537-505-11 | TERMINAL BOARD (2P) | | |
| | | | | J903 | 1-561-534-41 | SOCKET, PIN 21P | | |
| | | | | J905 | 1-695-293-11 | SOCKET 21P | | |
| C906 | 1-101-004-00 | CERAMIC 0.01MF | | | | | | |
| C910 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% | | | | | |
| C911 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% | < TRANSISTOR > | | | | |
| C912 | 1-163-129-00 | CERAMIC CHIP 330PF | 5% | Q401 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | |

J

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK | | | | |
|--------------|--------------|------------------------|---------------|---------|--------------|------------------|-------------|--|--|--|--|
| Q402 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R436 | 1-216-049-00 | METAL GLAZE 1K | 5% 1/10W | | | | |
| Q403 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R437 | 1-216-049-00 | METAL GLAZE 1K | 5% 1/10W | | | | |
| Q404 | 8-729-920-74 | TRANSISTOR 2SC2412K-QR | | R438 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | | | | |
| < RESISTOR > | | | | | | | | | | | |
| JR270 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R440 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | | | | |
| JR272 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R911 | 1-216-022-00 | METAL GLAZE 75 | 5% 1/10W | | | | |
| JR274 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R918 | 1-216-171-00 | METAL GLAZE 75 | 5% 1/8W | | | | |
| JR276 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R921 | 1-216-022-00 | METAL GLAZE 75 | 5% 1/10W | | | | |
| JR278 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | R922 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W | | | | |
| JR279 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | R923 | 1-216-039-00 | METAL GLAZE 390 | 5% 1/10W | | | | |
| JR287 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | R924 | 1-216-039-00 | METAL GLAZE 390 | 5% 1/10W | | | | |
| JR297 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | R925 | 1-216-089-00 | METAL GLAZE 47K | 5% 1/10W | | | | |
| JR298 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | R926 | 1-216-039-00 | METAL GLAZE 390 | 5% 1/10W | | | | |
| JR401 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R927 | 1-216-039-00 | METAL GLAZE 390 | 5% 1/10W | | | | |
| JR402 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R928 | 1-216-089-00 | METAL GLAZE 47K | 5% 1/10W | | | | |
| JR403 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R929 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W | | | | |
| JR404 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R930 | 1-216-113-00 | METAL GLAZE 470K | 5% 1/10W | | | | |
| JR405 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R931 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W | | | | |
| JR406 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R932 | 1-216-113-00 | METAL GLAZE 470K | 5% 1/10W | | | | |
| JR407 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R933 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W | | | | |
| JR408 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R934 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W | | | | |
| JR901 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R935 | 1-216-022-00 | METAL GLAZE 75 | 5% 1/10W | | | | |
| JR905 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | R936 | 1-216-171-00 | METAL GLAZE 75 | 5% 1/8W | | | | |
| JR907 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | R937 | 1-216-113-00 | METAL GLAZE 470K | 5% 1/10W | | | | |
| JR908 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | R938 | 1-216-039-00 | METAL GLAZE 390 | 5% 1/10W | | | | |
| JR909 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R939 | 1-216-039-00 | METAL GLAZE 390 | 5% 1/10W | | | | |
| JR910 | 1-216-296-91 | METAL GLAZE 0 | 5% 1/8W | R940 | 1-216-063-91 | METAL GLAZE 3.9K | 5% 1/10W | | | | |
| JR911 | 1-216-295-00 | METAL GLAZE 0 | 5% 1/10W | R941 | 1-216-113-00 | METAL GLAZE 470K | 5% 1/10W | | | | |
| R283 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W | R943 | 1-216-089-00 | METAL GLAZE 47K | 5% 1/10W | | | | |
| R284 | 1-216-073-00 | METAL GLAZE 10K | 5% 1/10W | R944 | 1-216-039-00 | METAL GLAZE 390 | 5% 1/10W | | | | |
| R291 | 1-216-190-00 | METAL GLAZE 470 | 5% 1/8W | R945 | 1-216-089-00 | METAL GLAZE 47K | 5% 1/10W | | | | |
| R292 | 1-216-190-00 | METAL GLAZE 470 | 5% 1/8W | R959 | 1-216-674-11 | METAL CHIP 9.1K | 0.50% 1/10W | | | | |
| R401 | 1-216-158-00 | METAL GLAZE 22 | 5% 1/8W | R960 | 1-216-674-11 | METAL CHIP 9.1K | 0.50% 1/10W | | | | |
| R403 | 1-216-025-00 | METAL GLAZE 100 | 5% 1/10W | R968 | 1-216-055-00 | METAL GLAZE 1.8K | 5% 1/10W | | | | |
| R404 | 1-216-158-00 | METAL GLAZE 22 | 5% 1/8W | R969 | 1-216-055-00 | METAL GLAZE 1.8K | 5% 1/10W | | | | |
| R405 | 1-216-025-00 | METAL GLAZE 100 | 5% 1/10W | R970 | 1-216-055-00 | METAL GLAZE 1.8K | 5% 1/10W | | | | |
| R406 | 1-216-158-00 | METAL GLAZE 22 | 5% 1/8W | R977 | 1-216-055-00 | METAL GLAZE 1.8K | 5% 1/10W | | | | |
| R407 | 1-216-025-00 | METAL GLAZE 100 | 5% 1/10W | ***** | | | | | | | |
| R410 | 1-216-174-00 | METAL GLAZE 100 | 5% 1/8W | | | | | | | | |
| R411 | 1-216-174-00 | METAL GLAZE 100 | 5% 1/8W | | | | | | | | |
| R412 | 1-216-022-00 | METAL GLAZE 75 | 5% 1/10W | | | | | | | | |
| R413 | 1-216-022-00 | METAL GLAZE 75 | 5% 1/10W | | | | | | | | |
| R414 | 1-216-022-00 | METAL GLAZE 75 | 5% 1/10W | | | | | | | | |
| R416 | 1-216-113-00 | METAL GLAZE 470K | 5% 1/10W | | | | | | | | |
| R417 | 1-216-067-00 | METAL GLAZE 5.6K | 5% 1/10W | | | | | | | | |
| R419 | 1-216-113-00 | METAL GLAZE 470K | 5% 1/10W | | | | | | | | |
| R420 | 1-216-067-00 | METAL GLAZE 5.6K | 5% 1/10W | | | | | | | | |
| R421 | 1-216-171-00 | METAL GLAZE 75 | 5% 1/8W | | | | | | | | |
| R423 | 1-216-015-00 | METAL GLAZE 39 | 5% 1/10W | | | | | | | | |
| R424 | 1-216-174-00 | METAL GLAZE 100 | 5% 1/8W | | | | | | | | |
| R425 | 1-216-174-00 | METAL GLAZE 100 | 5% 1/8W | | | | | | | | |
| R428 | 1-249-393-11 | CARBON | 10 5% 1/4W F | | | | | | | | |
| R429 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | | | | | | | | |
| R430 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | | | | | | | | |
| R431 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | | | | | | | | |
| R432 | 1-216-065-00 | METAL GLAZE | 4.7K 5% 1/10W | | | | | | | | |
| R433 | 1-216-296-91 | METAL GLAZE | 0 5% 1/8W | | | | | | | | |
| R434 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | | | | | | | | |
| R435 | 1-216-049-00 | METAL GLAZE | 1K 5% 1/10W | | | | | | | | |

The components identified by shading and marked  are critical for safety.
Replace only with the part number specified.

Les composants identifiés par une trame et une marque  sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

| REF.NO. | PART NO. | DESCRIPTION | REMARK | REF.NO. | PART NO. | DESCRIPTION | REMARK |
|-----------------------------------|--------------|-------------------------------------------------------------------------------------|--------|---------|----------|-------------|--------|
| MISCELLANEOUS | | | | | | | |
| | | ***** | | | | | |
| | 1-452-032-00 | MAGNET, DISK; 10MM Ø | | | | | |
| | 1-452-094-00 | MAGNET, ROTATABLE DISK; 15MM Ø | | | | | |
| | 1-504-507-11 | SPEAKER (5CM) | | | | | |
| ***** | | | | | | | |
| ACCESSORIES AND PACKING MATERIALS | | | | | | | |
| | | ***** | | | | | |
| *4-042-126-01 | | CUSHION (UPPER) (ASSY) | | | | | |
| *4-042-127-11 | | CUSHION (LOWER) (ASSY) | | | | | |
| *4-042-128-01 | | INDIVIDUAL CARTON | | | | | |
| 4-203-406-41 | | MANUAL, INSTRUCTION (KV-29X2A) (ITALIAN) | | | | | |
| 4-203-406-51 | | MANUAL, INSTRUCTION (KV-29X2B) (FRENCH/GERMAN/ITALIAN) | | | | | |
| 4-203-406-11 | | MANUAL, INSTRUCTION (KV-29X2D) (GERMAN/ENGLISH/DUTCH/GREEK) | | | | | |
| 4-203-406-71 | | MANUAL, INSTRUCTION (KV-29X2E) (SPANISH) | | | | | |
| 4-203-406-81 | | MANUAL, INSTRUCTION (KV-29X2F) (PORTUGUESE/DANISH/FINNISH/NORWEGIAN/ SWEDISH) | | | | | |
| *4-395-957-01 | | BAG, PROTECTION | | | | | |
| REMOTE COMMANDER | | | | | | | |
| | | ***** | | | | | |
| 1-467-272-11 | | COMMANDER, STANDARD TYPE (RM-831) | | | | | |
| 9-903-466-01 | | POCKET, COVER (FOR RM-831) | | | | | |
| ***** | | | | | | | |